THE CHEMIST AND DRUGGIST

ESTAB 1859

REGISTERED AS A NEWSPAPER

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No. 2438. OCTOBER 30, 1926. Vol. CV.

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Trade Mark

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1	11/6	1/4
2	20/6	2/6
4	38/6	4/9
7	64/9	8/-

□ □ □

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Allen & Hanburys Ltd., Bethnal Green, London, E.2

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Proprietor:
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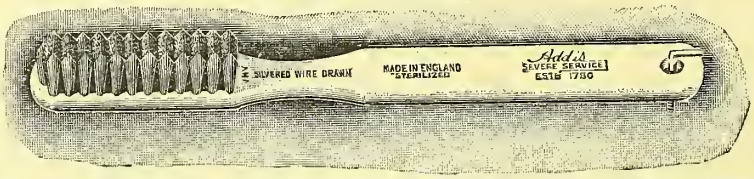

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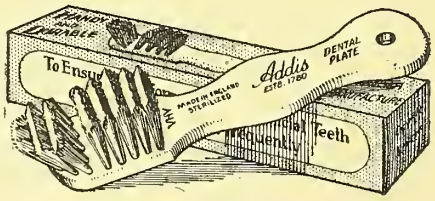

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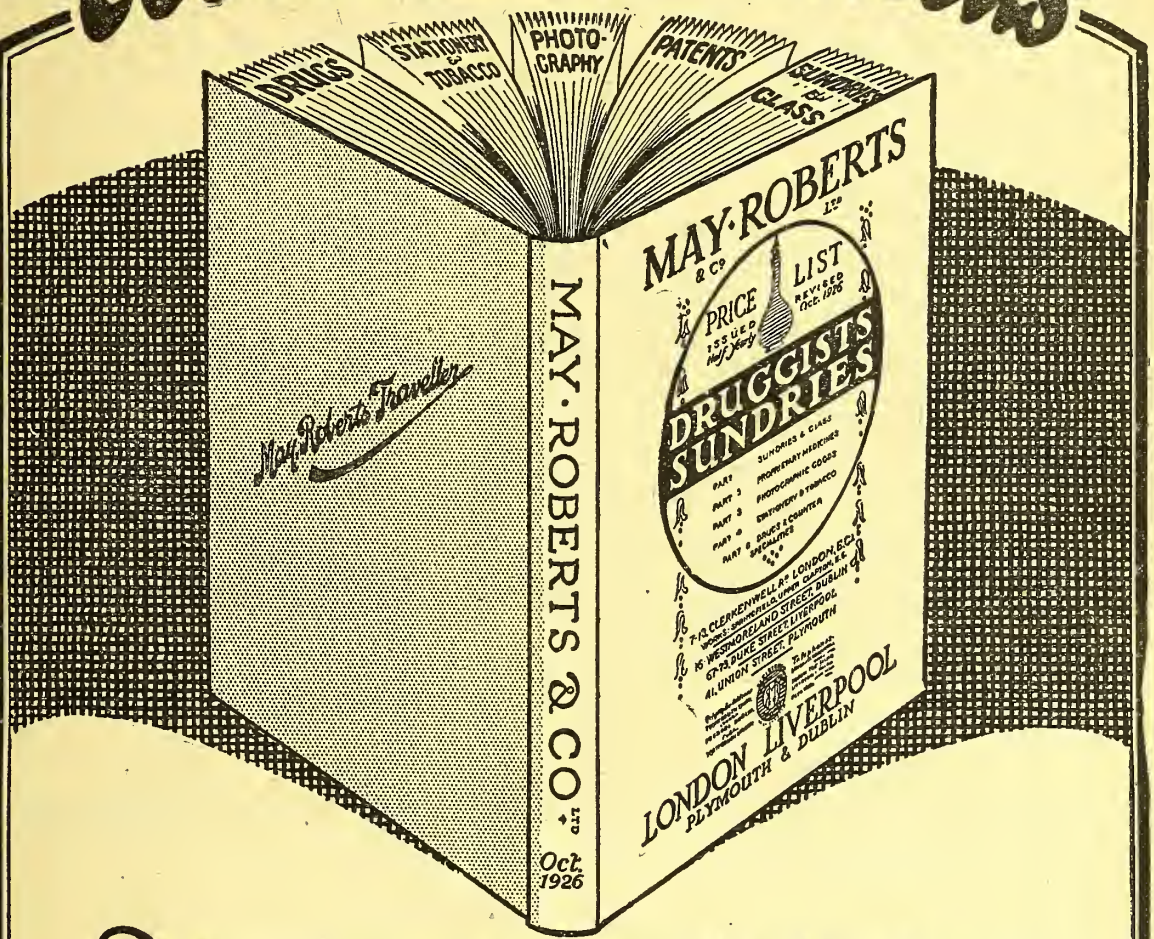

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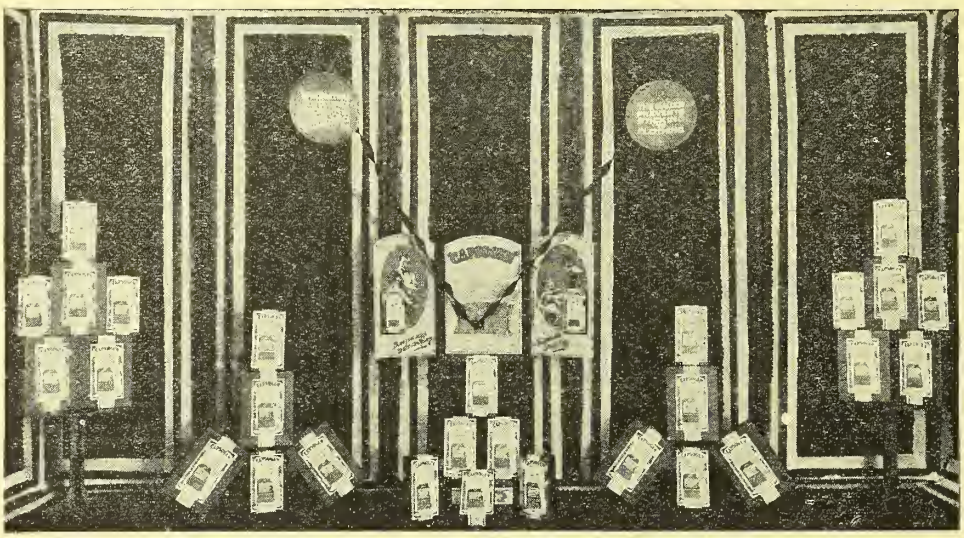

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4½ dozen 1/3 packets at selling price	£3	7	6
1½ " 3/- " " "	2	14	0
¾ " 1/3 bonus } " "	1	0	3
¼ " 3/- " }			
	£7	1	9
4½ " 1/3 packets at cost price }	4	1	0
1½ " 3/- " " " }			
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3 dozen lots - -	10/3 "
6 " - -	10/- "
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3 dozen - - -	24/6 "
6 " - - -	24/- "

50 Counter Bills Printed with Name & Address.

You should Stock this Profitable Winter Line

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BIRMINGHAM.

Maw's Page

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It isn't necessarily the noisy orator who has the greatest effect on his audience. It isn't always the slogger who scores most runs, or the hard hitter who wins the fight. Brains accomplish more than brute force, and misdirected energy may actually help to defeat its own object.

This is just as true in business as in everyday life, and the business of pharmacy is no exception.

You may work 24 hours a day at your business with all the energy and enthusiasm of which you are capable, but you will only achieve lasting prosperity by making sure at the start that you are applying your energy in the right direction.

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Put your best efforts into pushing sales of those lines which bring certain repeat orders, and which can only be purchased from the chemist. You may then be sure that you are directing your energies in such a way as to secure the maximum result with the minimum effort—the greatest profits with the smallest expenditure.

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DIRECT FROM THE GROWERS.

To Chemists with Wine Licence only.

We are prepared to grant Agencies to licence holders for our celebrated Ports in districts not already represented.

Almego's Invalid Port, Almego's Ruby Port,
Almego's White Port,
The Marquis Port, Grand Duchess Port.

For particulars of Agency, Samples and Prices apply to:— GOOD ADVERTISING MATTER.

JOSÉ ALMEGO, Ltd. *London Office:* St. Mary's Chambers, 161a & 166 Strand, W.C.2

TELEPHONE: CENTRAL 6511 TELEGRAMS: "ALMEGOLIMI, ESTRAND, LONDON."

Enquiries for Agencies received now will receive attention in time for Xmas trade.

1825—1925 100 YEARS' SUCCESSFUL TRADING

Neave's Foods

FIXED PRICES
FIXED PROFITS
showing 25% minimum

Extensively advertised on National lines.

Showcards and advertising literature free on request.

NEAVE'S FOOD LTD.
FORDINGBRIDGE.

Season—1926

COD LIVER OIL

GUARANTEED GENUINE. FINEST PURE LOFOTEN.

Manufacturers:

BRÖDR. AARSÆTHER A/S, Aalesund, Norway.

LARGEST MANUFACTURERS OF COD LIVER OIL IN NORWAY.

Stocks always held in London. In 25-gallon tin-lined barrels.

SOLE AGENTS FOR U.K.: FREUDENTHEIL, SMITH & CO.

21 Mincing Lane, LONDON, E.C.3.

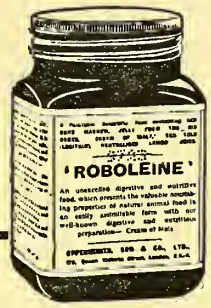
Tel. Add.: "FREUDENRUF." Codes used: A B C, 4th and 5th Edit.; and Private. Tel.: ROYAL 6600.

ATKINSON & BARKER'S INFANTS' PRESERVATIVE

THE BEST AND SAFEST INFANTS' MEDICINE OF OVER 120 YEARS' STANDING.

Prices and Terms on application to R. BARKER & SON, Ltd.
13 Wesley St., C.-on-M., MANCHESTER.

DOES NOT CONTAIN any SCHEDULED POISON.



Let them SEE it!

THE mothers in your neighbourhood see 'Roboleine' advertised in their favourite papers. The logical thing for you to do, therefore, is to display 'Roboleine' so that it may remind them to buy it when they are actually in your pharmacy.

PUT YOUR CUSTOMERS ON

Roboleine

THE FOOD THAT BUILDS THE BODY

and you are putting them on a good thing.

OPPENHEIMER, SON & COMPANY LTD.
179 Queen Victoria Street, London E.C.4.

Manufacturers of "MAGLACTIS," the Pure Hydrate of Magnesia with the continuous action.

O & S

"JOHN BULL"

MALT EXTRACT

MALT & OIL

Noted for Palatability, Regularity and Purity.

Made only and entirely from

THE FINEST BARLEY MALT

and the

BEST LOFOTEN COD LIVER OIL

Supplied in Bulk, Jars, Tins and Cardboard Containers.

GUARANTEED NOT TO EITHER CRYSTALLISE OR FERMENT.

Wholesale and Export enquiries invited.

PAINE

& CO., LIMITED

ST. NEOTS, HUNTS, ENG.

BRAND'S ESSENCE

of Beef, Mutton or Chicken consists solely of the juice of the finest meats, prepared with the greatest care under the most hygienic conditions.

Essential in the Sick Room.

Sold by all Chemists and Stores.

BRAND & CO., LTD.

Mayfair Works, Vauxhall, LONDON, S.W.8.

ORDER NOW FOR WINTER TRADE.

GOOD it's Mason's

MASON'S

Ginger Wine Essence

QUICK SALES

GOOD PROFIT

Liberal Window Show Allowance
Artistic Display Material

SEND FOR PRICES.

NEWBALL & MASON, LTD. NOTTINGHAM

MORE POPULAR THAN EVER

AYRTON'S

COUGH CANDY

WITH 28 lbs of this famous Herbal Cough Candy we will supply free of all charge :—

1.—Complete window display.

2.—A fine white glass domed-top show-jar.

3.—100 4-oz Candy Bags, or 400 with 1 cwt.

These grease-proof parchment Candy Bags have been introduced so that the Chemist may have a supply of 4-oz. quantities weighed ready to hand over the counter during busy periods—a busy period commences immediately you put in Ayrton's Window Display.

AYRTON'S CANDIES
SOLD ONLY BY CHEMISTS

Retails at **6d.** per **4** ozs.

	per lb.	Free bags
Per lb.	**1/3**	—
16 lbs.	**1/2½**	—
28 lbs.	**1/2**	**100**
56 lbs.	**1/1½**	**200**
1 cwt.	**1/1**	**400**

For Prices in Irish Free State add 3d. per lb.

Display jar free with first 28 lbs.

THE TALK OF EVERY TOWN

Ayrton, Saunders & Co., Ltd.
34 Hanover Street,
LIVERPOOL.

COMPANION CANDIES

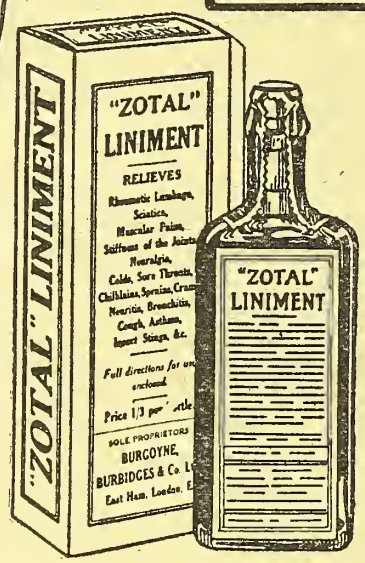
LIME FRUIT CANDY
MINT CANDY
CREAM CANDY

Prices same as for Cough Candy, and quantities may be assorted.

These Candies (excepting Cough Candy) are also supplied in Beautifully Decorated Hinge-lid Tins to retail at **1/3** per tin.

1 doz. tins .. for **10/6**
6 doz. ,, .. at **10/3**
12 doz. ,, .. at **10/-**

"Zotal" LINIMENT



Ideal for

LUMBAGO . . . . .
MUSCULAR RHEUMATISM
NEURITIS . . .
SCIATICA . . .
NEURALGIA . .
STIFFNESS OF JOINTS .
SPRAINS . . . .
BRONCHITIS . . .
CRAMP . . . . .
CHILBLAINS . . .
&c., &c.

A Quick Selling Liniment at a Popular Price

For Lumbago, Sciatica, Sprains, Cramp, Muscular Rheumatism and complaints of a similar nature, Zotal Liniment may be recommended with the utmost confidence.

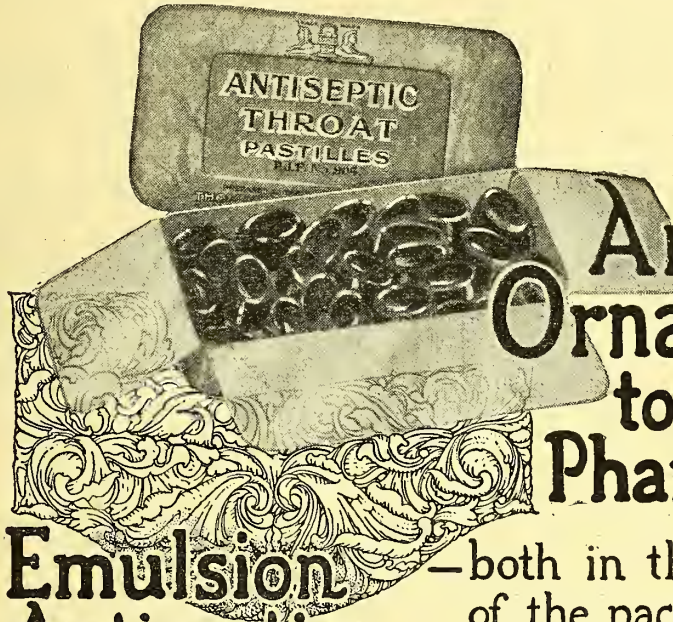
Zotal Liniment is very penetrating. It does not require to be rubbed in, a gentle application, in most cases, giving instant relief.

This Liniment, which grows daily in popularity, sells at a popular price, and as usual with all Burgoyne's Specialities, allows a liberal margin of profit to the Pharmacist.

May we send you a trial order ?

Price to Retailer.	*Retail Price.*	*Profit on Outlay.*
10/6 per doz.	1/3	42 %

BURGOYNE, BURBIDGES & CO., LTD., EAST HAM, LONDON, E.6.



An Ornament to your Pharmacy

—both in the beauty of the package, and in the intrinsic merit of its contents

Emulsion Antiseptic Throat Pastilles *(KERFOOT)*

THE "Marble" Tins of Emulsion Pastilles strike a note of originality and quality. The tins themselves are decorated in close imitation of green marble, while the display outers show an unusual treatment in black, gold and white. Each Pastille in the "Marble" Tin series has a special display outer.

A convenient counter show-stand is supplied on request with orders for 6 dozen tins and upwards, whilst a striking window display is available. Please write for illustration and full particulars.

THOMAS KERFOOT & Co. Ltd.,
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

B/590

COPYRIGHT

DEARBORN (1923) LTD.

37 Gray's Inn Road, London, W.C.1

Toilet Specialties.

	Price per doz. to Retailer	Selling Price P.A.T.A.
PILENTA SOAP .. .. A complexion soap.	10/-	1/-
PROLACTUM .. .. For the lips.	10/-	1/-
PARSIDIUM JELLY .. For wrinkles.	10/-	1/-
ALLACITE OF ORANGE BLOSSOM .. .. .. A dressing cream.	22/6	2/6
BORANIUM .. .. .. A hair tonic.	22/6	2/6
CLEMINITE .. .. .. For a face lotion.	22/6	2/6
COLLIANDUM .. .. For a face tint.	22/6	2/6
PERGOL .. .. .. A deodorant.	22/6	2/6
TEKKO PASTE .. .. Camphor cream.	22/6	2/6
STALLAX .. .. .. For a shampoo.	13/6 22/6	1/6 2/6
JETTALINE .. .. .. For clearing the skin.	31/6	3/6
PHEMINOL .. .. .. A depilatory.	36/-	4/-
MENNALINE .. .. For the eyelashes.	36/-	4/-
MERCOLIZED WAX .. A face cream.	18/- 31/6	2/- 3/6
STYMOL .. .. .. For oily complexions and blackheads.	36/-	4/-
SILMERINE .. .. .. Hair-curling fluid.	22/6	2/6
BARSYDE .. .. .. Dandruff eradicator.	22/6	2/6
TAMMALITE .. .. For grey and faded hair.	22/6	2/6
LIQUID PERGOL .. .. To check excessive perspiration locally.	31/6	3/6
BICROLIUM .. .. .. For whitening the hands.	22/6	2/6
COCONOIDS .. .. .. For figure development.	31/6	3/6

The Products of

Messrs. PARKER, BELMONT & CO.

CLYNOL BERRIES .. For obesity.	36/- 58/6	4/- 6/6
SOFT PALERIUM .. .. For wrinkles.	45/-	5/-
LIQUID NAIL POLISH .. Brilliant and lasting.	10/-	1/-

Stocked by ALL Wholesale Houses.

COLONIAL DEPÔTS AND AGENCIES.

Australia: ALL WHOLESALERS, & DEARBORN (Australia), Ltd., Grace House, Clarence Street, Sydney.
South Africa: LENNON, Ltd., Cape Town, etc.
SIVE BROS. & KARNOVSKY, Johannesburg.
India: FRAMJEE & SON, Bombay.
A. L. CHOUDRY, Calcutta.
New Zealand: SHARLAND & CO., Auckland and Wellington.
South America: DEARBORN (South America) Ltd., Calle Pavon 2100, Buenos Aires.
Straits Settlements & Federated Malay States: MEDICAL HALL, Ltd., Singapore.

CHEMICAL WORKS

"FLORA"

DUBENDORF, ZURICH - SWITZERLAND.

Manufacturers of

ARTIFICIAL MUSKS

100%

AMBRETTE
KETONE XYLOL

The "Flora" Musks are the essence of perfection, and striking examples of a factory with a large reputation for quality.

LONDON STOCKS

Samples and Prices from—

CHAS. ZIMMERMANN & CO. (Chemicals), LTD.
33 St. Mary-at-Hill, London, E.C.3

NOVELTY PERFUMES

THE "EVER-SCENTED" ROSE
(Flower has wick-stem to perfume)
1½ oz. Vases
Singly boxed
24/- doz.

1 oz. Globe Wickers DEVON VIOLET and Various Perfumes
Own name on 3 dozen if desired.
Boxed 1 dozen.
15/- doz.

Special Terms to Exporters

E. N. BROMAGE & CO., 73 Selhurst Rd., S.E.25

Blanc Delaunay

An Exquisitely perfumed liquid powder. Whitens and protects the skin. Retails at 3/-. Extensively advertised.

Dorin of PARIS

Aids to Beauty

Makers of the famous
ROUGE BRUNETTE & DORINA POWDER.
ORDER YOUR STOCK NOW from
DORIN LTD., 41 Charterhouse Square, LONDON, E.C.1.

The Most Refreshing of all Perfumes

Just as the House of Vinolia supplies in Premier the *most refreshing soap in the world*, so also does it provide the most refreshing of all perfumes. Every test will prove that the *Premier* Cologne is

Vinolia
TRIPLE
Eau de Cologne

New and very elegant handbag size to retail at 1/6

Buy British Goods—and Keep Britain Busy

Profit on outlay 50% on best terms

Mentholated Cologne and Vinolia Real English Lavender Water also available on same terms

VINOLIA CO. LTD., BLACKFRIARS, LONDON, E.C.4.
LABORATORIES, BEBINGTON, CHESHIRE.

VT 13A-29

THE "B.G." SPRAY

THE industrial crisis this year has resulted in the trade postponing Christmas buying until the eleventh hour.

This has made the task of manufacturers exceptionally difficult this year, as we have had no reliable basis on which to gauge the probable requirements of the trade.

We are now being overwhelmed with orders for our "B.G." Sprays, "by return," but, working as we are under extreme pressure, with night shifts, even this is impossible.

We would ask the trade respectfully to give us the greatest latitude with regard to deliveries this year, relying on our assurance that everything humanly possible will be done to ensure clients receiving their goods in time for the Christmas trade, as ample stocks will be available.

Our new coloured lists of "B.G." Sprays and Powder Bowls go out this week—will you when ordering please give the very latest delivery date possible, and thus help us in a very great measure ?

BRIDGEN & GRIFFIN

25 BARTLETT'S BUILDINGS, HOLBORN CIRCUS, LONDON, E.C.2

REMEMBER THESE POINTS

Armand is the original **Cold Cream Powder.** It stays on. Great for the outdoor woman or girl, or the woman who likes parties and dances. The favourite powder for the woman who does a lot of motoring.

It is pure and cannot injure the most delicate skin. Unusually fine, with smooth spreading quality. In seven tints, to suit every complexion. Should be rubbed in with a firm puff to get the best results. Guaranteed to please or money refunded. When women ask for Cold Cream Powder they want *Armand*, the powder that contains Cold Cream.

Florian & Armand, Limited

QUEENSWAY, PONDERS END, MIDDLESEX

Still on Top!!

EDWARDS' "HARLENE"

Toilet Specialities

THE WORLD'S BEST SELLERS

"HARLENE" FOR THE HAIR
"UZON" BRILLIANTINE
"CREMEX" SHAMPOO POWDERS
"ASTOL" FOR GREY HAIR
"ASTINE" VANISHING CREAM
"ASTINE" TOOTH CREAM
"ASTINE" SHAVING STICK
"ASTINE" NAIL CREAM

TWO ENTIRELY NEW LINES!

"JUNOFLORIS" Spring Breath TABLETS

A Breath Purifier and Antiseptic Mouth and Stomach Deodorant in Tablet Form—NOT a Cachou. As "Junofloris" is an entirely New and Original line which does not compete with anything in existence, it will therefore add EXTRA PROFIT to your business. Packed in Neat Counter Display Cartons of 1 doz. Boxes which sell "Junofloris" at sight.

"JUNOFLORIS" Spring Breath DENTIFRICE

A Dental Cream embodying the principal characteristics of ordinary tooth powders and pastes PLUS the unique power to remedy the tendency to Unpleasant Breath.

Prices of both above lines	Advertised (minimum Retail)	7½d. & 1/1½ per box	Less 20% Discount.
	Makers'	6/8 & 12/- ,, doz.	

PLACE YOUR ORDER TO-DAY.

EDWARDS' HARLENE, LIMITED

20, 22, 24 & 26 LAMB'S CONDUIT STREET, LONDON, W.C.1.

At last the no-trouble no-coupons, Gift Scheme!

And the most original, attractive Gifts!!

You will soon be receiving a show-card and broadsheet announcing the new Swan Down Complexion Powder Gift Scheme. Make absolutely sure of reading it. It's the simplest scheme that was ever launched. All you have to do is to stock and sell Swan Down. Nothing for you to explain; no coupons to collect; no trouble of any kind.

Look out for that message from Swan Down. It opens the door wide to big returns and big profit. Needless to say, the scheme will be backed by strong, steady advertising in all the most suitable papers.

All about the SWAN DOWN COMPLEXION POWDER SCHEME

A Message that really matters from Messrs. J. C. GAMBLES & CO. LTD., 211-215, Blackfriars Rd., London, S.E.1.

WE LEAD FOR VALUE

A. ALBERMAN

5 Bennett Street, Charlotte St., London, W.

SPECIAL OFFER — OF — BONUS TERMS

COFFRETS of Perfume Spray and Powder Bowl

In Lined Cases. **36/- & 66/-** dozen

Latest Novelty from Paris—

PERFUME SPRAY

One Drop Dispenser. **16/- & 20/-** doz.

YOU WILL BE ASKED FOR THIS.

We have representatives who will call on you with a full range of our goods. Send a card to-day for your requirements.

ONE OF THE MANY NEW ADDITIONS TO

SOLPORTS'

NERISSA Regd. MADE IN ENGLAND SERIES

OF

POWDER PUFFS

The "Posy" Puff

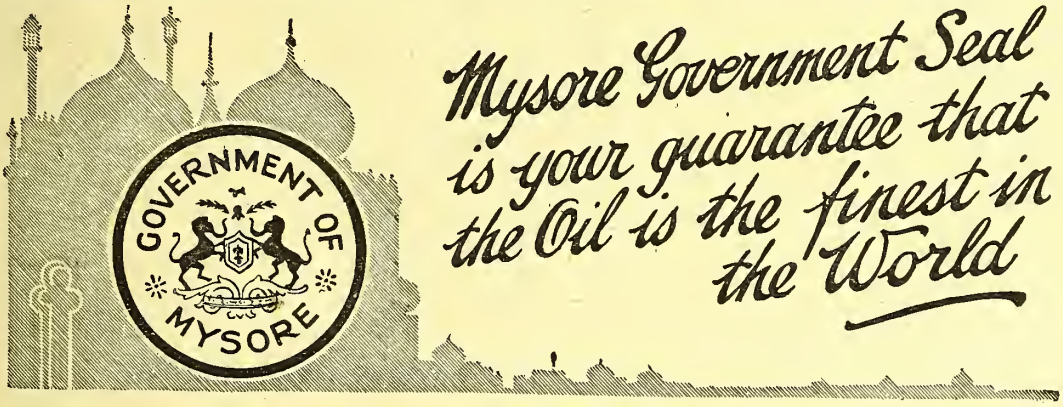
(SIX IN A SHOW BOX)

No.	Size	Retail Price Each	Trade Price Dozen
P.1000	3½-in.	2/-	16/-
"	4-in.	2/6	20/-
"	4½-in.	3/-	24/-

ORDER DIRECT

OR FROM ALL LEADING WHOLESALERS.

Specify "NERISSA" Brand.



EAST INDIAN

SANDALWOOD OIL

Sole European Distributors;

ESSENFLOUR PRODUCTS LTD.

"Perfume House" 6, 7 & 8 BEAUCHAMP STREET, LONDON, E.C.1

Telephone: HOLBORN 2499, 6214, 6215 (3 lines). Telegrams: "EKDUM, LONDON."

Why?

WHY does Euthymol Tooth Paste deserve your personal interest? Because independent authorities testify to its all-round efficiency.

It is, therefore, a credit to you, as well as to us, when you recommend it; and it leads to many other sales. Furthermore, it is profitable.

M.R.P. - - 1/3 per tube
M.W.P. - - 10/2 per doz. net

THE introduction of Pharmaceutical Products of scientific and highly specialised nature to the MEDICAL PROFESSION of the United Kingdom and Ireland is now actively proceeding.

"Afenil"
"Anthrasol"
"Arseno-Triferrin"
"Bromural"
Calcium-"Diuretin"
Camphor-Gelatinettes
Camphor-Papaverin-Gelatinettes
"Cardiazol"
"Codeonal"
"Dicodid"
"Digipuratum"
"Diuretin"
"Eugallol"
"Euresol"
"Euresol"-pro capillis
"Ferropyrin"
"Granugenol"
"Ichthalbin"
Iod-Calcium-"Diuretin"
"Iodiuretal"
"Iodival"
"Klimakton"
"Lenigallol"
"Ovaraden-Triferrin"
Papaverin
"Paracodin"
"Santyl"
"Styptol"
"Styracol"
"Tannalbin"
Theobromine
"Thyraden"
"Triferrin"
Yohimbine

Satisfactory discounts are given to Retail and Wholesale Druggists, and these Products are profitable to handle.

TRADE TERMS ON APPLICATION.

H. R. NAPP LIMITED

3 & 4 CLEMENTS INN, LONDON, W.C.2

POTTER & CLARKE

60/64, ARTILLERY LANE Ltd
LONDON, E.1.

Telephones: BISHOPSGATE 1033-4-5.

Telegrams: "HOREHOUND, PHONE, LONDON."

MANCHESTER: 24 LUNA STREET, GREAT ANCOATS.

IN GREAT DEMAND—

WIDELY ADVERTISED IN ALL THE LEADING NEWSPAPERS.

P.A.T.A. **1/3** - - - **11/-** doz.

IN 1 DOZ. BOXES.

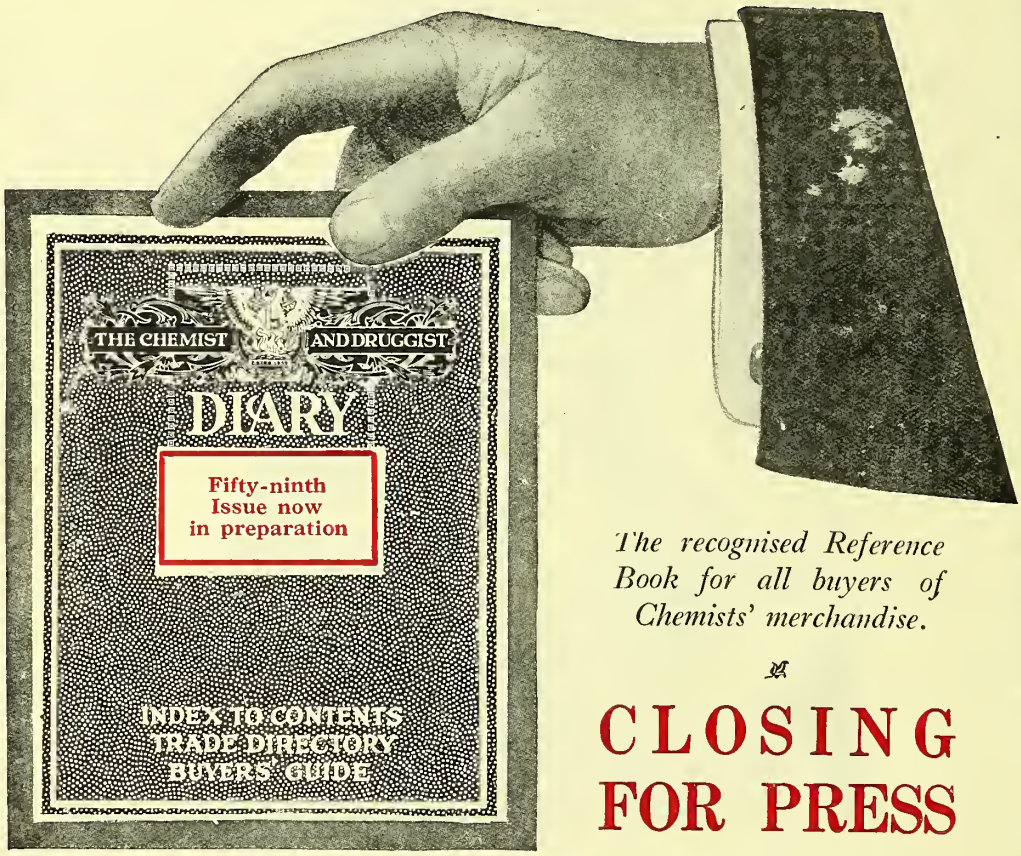
SHOWCARDS FOR WINDOW & COUNTER :: DISPLAY WITH ALL ORDERS. ::

Obtainable from all Wholesale Patent Medicine Houses, or direct from the Manufacturers.

A Pharmacist handles many lines of which ENO's "Fruit Salt" is one of the most popular by reason of its rapid turnover. Dormant stock pays no dividends, but ENO is always a ready seller and quickly accumulates profits.

ENO'S 'FRUIT SALT'

The words "Fruit Salt," ENO and the label on the package are the registered trade marks of J. C. ENO, Ltd., London, England.



The recognised Reference Book for all buyers of Chemists' merchandise.

CLOSING FOR PRESS

There are still vacant a few white paper pages and one or two colour pages in the advertisement sections of

THE CHEMIST & DRUGGIST DIARY 1927.

Immediate application is necessary, however, to secure these, as all copy must be in the hands of our printers by

OCTOBER 30th AT THE LATEST

if proofs are to be shown.

Should no proofs be required copy can be taken up to Nov. 3rd.

Write, Wire or 'Phone

THE PUBLISHER

Telephone: Central 3617.

THE CHEMIST AND DRUGGIST
42 CANNON STREET - - LONDON, E.C.4

Telegrams: "Chemicus, Cannon, London." (2 words.)

Branches:—49 County Buildings, 4 Cannon Street, Manchester; 54 Foster's Buildings, High St., Sheffield; 19 Waterloo St., Glasgow. Also Melbourne and Sydney, Australia.

Darwin Blades
The Big Sellers

Within the last few weeks, hundreds of thousands of men have been converted to Darwin Blades. They have bought them; they have used them; they have found them give the smoothest, cleanest shave they ever experienced.

But where did they buy them? From you? Are you showing Darwin Display Material? Why not be in this big push?

Remember! Our Big National Advertising Campaign is converting hundreds of thousands more men to this new, better, British Blade. How much profit you reap depends upon yourself alone.

Think it over—and instruct your wholesaler to send you a supply.

Darwin

PATENT COBALT HIGH SPEED STEEL

Safety Razor Blades

DARWINS LIMITED :: FITZWILLIAM WORKS :: SHEFFIELD.

Lower Prices
(3d. each retail)

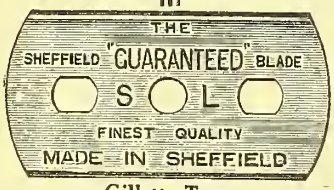
Larger Turnover
(Sell 2 where you sold one)

Greater Profits
(At least 56% for retailers)

from

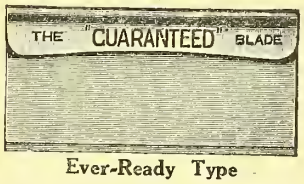
SHEFFIELD
GUARANTEED
Blades

"Guaranteed" Profits.



Gillette Type

"Valet" Type



Ever-Ready Type

Are you British?

Then sell your British Customers British Blades! The death knell of the foreign blade is being sounded, the Customs Duty of 33⅓% is ringing its doom. The foreigner cannot keep up the quality and bear the duty—he cannot raise the price, therefore the blade must suffer. Sheffield now takes the field with the "Sheffield Guaranteed" Blade at 3d. retail. Order some to-day.

Bonus for YOU!

Sheffield "Guaranteed" Blades are made in styles to fit Gillette, "Valet," Clemak, Gem, and Ever-Ready Razors. They only cost you 25/- per gross, with 2½% special discount on 3 gross, 5% on 5 gross, and 10% on 10 gross—at LEAST 56% profit for you! Neat and attractive showcards are sent with all orders, and a bonus of 12 blades is given with every gross.

From These Wholesalers:

E. H. Butler & Son, 93 Humberstone Gate, Leicester.
Smith & Sons, 44/48 Magdalen Street, Norwich.
Ryan, White & Co., Ltd., 31 High Street, Southampton.
C. T. Kemp, 46 Bridge Street, Hereford.
S. Crow, 39 Frederick St., Crosland Moor, Huddersfield.

Wholesale Houses should write for terms to :—

G. SMITH, Sole Concessionnaire,
237 Mere Road :: Leicester.

BUY BRITISH

The New Sheffield Steel

DARWIN

Safety Razor Blades

GILLETTE, AUTO-STROP & EVER-READY TYPES

Remember: They have RUSTLESS EDGES

BONUS

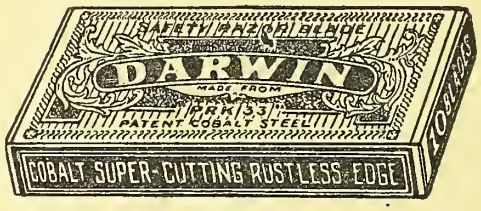
Offers to Chemists for 30 days from Sept. 30th.

No. 1 Parcel £1 10 0 70 Gillette patt. 20 Auto patt. 10 Ever-Ready patt.
BONUS: 10 Gillette patt. Blades.

No. 2 Parcel £4 10 0 200 Gillette patt. 60 Auto patt. 40 Ever-Ready patt.
BONUS: 40 Gillette patt. Blades.

No. 3 Parcel £9 0 0 400 Gillette patt. 120 Auto patt. 80 Ever-Ready patt.
BONUS: 90 Gillette patt. Blades.

Applies only to British Isles and Irish Free State.



Sell at 5 for 2/3, 10 for 4/6
These prices will be strictly maintained.
Wholesale: 30/- box of 100

Distinctive Window Show Material with each Parcel. Send your order, stating which parcel you require, to

JOHN TIMPSON & Co., Ltd.
MEDICINAL AND CHEMIST SUNDRIES
106 Golden Lane
LONDON, E.C.1

'PHONE: CLERKENWELL 4778. WIRES: "POROUS BARB, LONDON."

ANY
GILLETTE
PATT.
BLADE
WILL FIT.

Blades: 1/6 pkt. of 10 for Gillette type Razors.

YOU MUST move with the times and STOCK the very latest novelty

SIMPLEX SHAVER

for Bobbed and Shingled Hair, also arms.

MADE OF RUSTLESS METAL. HANDLES IN EIGHT DIFFERENT COLOURS. HAVE ONLY TO BE DISPLAYED AND THEY

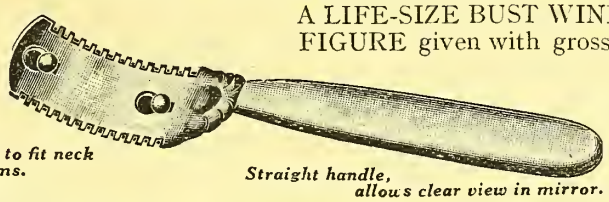
SELL THEMSELVES

RETAIL - - - 3/6 Each

COMPLETE WITH 1 BLADE.

Carded: 6 assorted colours on Card, 24/- doz. in gross lots, 30/- single doz. lots.

A LIFE-SIZE BUST WINDOW FIGURE given with gross lots.



Curved to fit neck and arms.

Straight handle, allows clear view in mirror.

Sole Distributors—

E. M. WALDEN, LTD. 136 BORO HIGH STREET, S.E.

G. B. KENT & SONS, LTD.

Are known the World over as the Largest Manufacturers of

BEST BRITISH BRUSHES

Please write for full Particulars to—

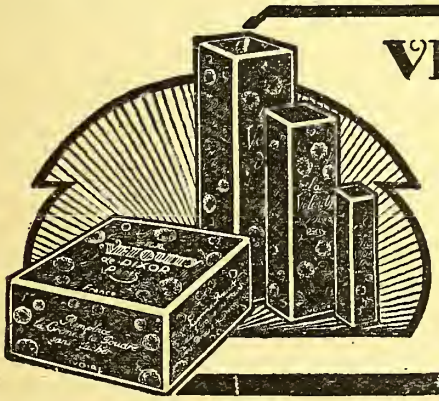
75 Farringdon Road, E.C.1.

WE are able to put before you a fine quality *Vanishing Cream* at a price within the public purse. ITS PRICE and quality SELLS IT and shows good profit.

CRÈME FLOROGEN

6d. size Green Vase Pots, 1 doz. Outers, Counter Show Card - **4/-** per doz.
Also **3d.** Tins - - **1/10** per doz.

Manufactured by **THE FLOROGEN CO. Ltd.**
47 Meadow Road - - LONDON, S.W.8



VELOUTY de DIXOR PARIS

COMBINED CREAM AND POWDER

The advertised line that you are asked for

DAINTY PRESENTATION

Samples free upon receipt of tradecard or billhead

Prices:—Full size pot	21/- doz.	Retail	.. ..	2/9
Super Tube	22/- „	„	.. ..	3/-
Large „	14/- „	„	.. ..	2/-
Handbag „	3/- „	„	.. ..	6d.

Made in three shades: WHITE. IVORY and NATURAL

Obtainable from your regular Wholesaler or direct from the Sole British Agents:

DEBACQ & HARROP, 68 Newman Street, Oxford Street, LONDON, W.1

TRADE Gillette MARK

Newest U.S.A. Blade Stocks. Regularly sold at 31/8 per box.

1 Box, 29/- 3 at 28/6
5 at 28/- 10 at 27/6
Above prices do not apply for Irish Free State.

RAZORS.

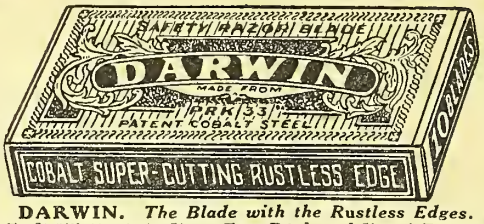
Original 25/- silver plated Pocket Set. 1 blade, 3/6. per dozen, 40/-

Original 21/- silver plated "Standard Set," 1 blade, 2/6.

Original 37/6 combination outfit, 1 blade, soap and brush. 10/- Real Morocco Silk-lined Case.

5/- "Crusader" Set, 1 blade, Leatherette Padded Case, lined Satin. 2/-

Gold-Plated Series, 1 blade, velvet lined case. 3/-



DARWIN. *The Blade with the Rustless Edges.*
To fit Gillette, Auto-Strop, Ever-Ready and Clemak Razors, 3/- per 4/6 packet of 10 Blades or 30/- per box of 10 Tens
1/6 per 2/3 packet of 5 Blades or 20 Fives.

BLADE BONUSES

UNTIL 30th OCT. ONLY—PARCELS AS FOLLOWS:

		Costs	Sells for
No. 1.	75 Gillette Pattern Blades, 20 Auto Strop ,, ,, , 5 Ever-Ready ,, ,, and Bonus 0 Gillette Patt. ,,	30/-	49/6
No. 2.	230 Gillette Pattern Blades, 60 Auto Strop ,, ,, , 10 Ever-Ready ,, ,, and Bonus 40 Gillette Patt. ,,	90/-	£7 13 0
No. 3.	455 Gillette Pattern Blades, 120 Auto Strop ,, ,, , 25 Ever-Ready ,, ,, and Bonus 90 Gillette Patt. ,,	180/-	£15 10 6

Terms: 2½% discount or two approved references. Post paid.
Full range Advertising Show matter with each parcel.
DARWIN PRICES & PROFITS ARE FULLY MAINTAINED.
Wholesale Enquiries Especially Solicited.

SOUPLEX

The BRITISH 3d. Blade
For Gillette Type Razors.
10d. per 1/3 packet of 5
1/8 per 2/6 packet of 10
19/- box, net cash (20/- less 5%)
(120 BLADES)
The Wholesale Trade is invited to obtain our terms.

EVER-READY BLADES,
31/- per gross.
"88" Set, brush, razor and 2 blades, 4/6 sets at 3/- each. Dozen at 2/11.

VALET
Blades, 36/- per box, 3 at 34/3.
Razors and Sundries at all round lowest prices.
Shaving Cream, 8/6 dozen, post paid.

DURHAM-DUPLEX "FREE" SETS
2/6 "Club" Set, 6 blades, 1/8
5/- "Home" Set, 10 ,, 3/4

ROLLS RAZORS
25/- "Popular" model, 16/8
30/- "Standard" model, 20/-
Subject to 5% cash.

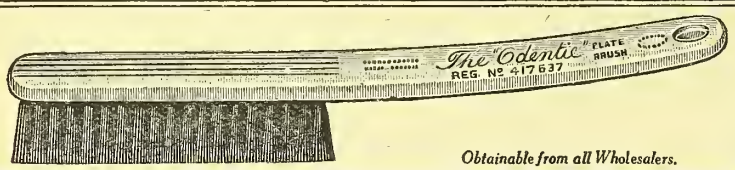
SPECIAL TO WHOLESALE TRADE.
We can supply most of the popular Blades, Razors, Stroppers, &c., at lowest Factors' Prices on usual or arranged Credit Terms.
Our Service is of VALUE AND PROFIT TO YOU. *Special Quotations submitted for ALL lines.*

ALL YOUR RAZOR AND BLADE REQUIREMENTS FROM—

LOUIS J. STAMBOIS,

THE SAFE SAFETY SERVICE

7 CHARTERHOUSE BUILDINGS
LONDON, E.C.1 Telephone—Clerkenwell 3518
Also at 34 CALL LANE, LEEDS
and (for Free State only) SOLWAYE FRERES (Agents and Stock Depot), 11 FISHAMBLE ST., DUBLIN.



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(Reg. No. 417637)
For ARTIFICIAL DENTURES
Manufactured by—
W. R. SPEER & SON (Estd. over 100 years)
Tooth-Brush Makers,
215 DALSTON LANE, LONDON, E.8.
Obtainable from all Wholesalers.

SHADEINE

For COLOURING GREY HAIR
This popular article is largely advertised and stocked by all Wholesale Houses.
Trial size 8d. per doz. 6/-
1/4 size, per doz. 12/-
2/6 size, per doz. 24/-
3/9 size, per doz. 36/-
The SHADEINE CO., 58 Westbourne Grove, London, W.2.

Those First Grey Hairs appear just ← here
Trial Phial 8D *Post Free*
Touch them up with **TATCHO-TONE**
Medical Guaranty with bottle. Chemists Prices 2/6 & 4/6 or direct to the Tatcho-Tone Co., 5, Gt. Queen St., W.C.2

Telephone: Axminster 5. *Telegrams: "Coate, Axminster."*

COATE & CO. (Axminster) Ltd.

The London Brush Works, Axminster, Devon.

Estab. 1847.

Manufacturers of Super British Brushes

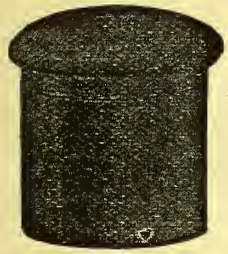
Our Special "PROPHYLACTIC" Tooth Brushes—
3 row Hard, Medium, Soft, Yellow Hair @ ... ... 16/- per dozen
4 ,, ,, ,, ,, ,, ,, ... 18/- ,, ,,
Orders for one gross supplied in Cartons with customer's name and address free.
Every Brush Guaranteed. British made by British Labour. Send for our present list of prices.

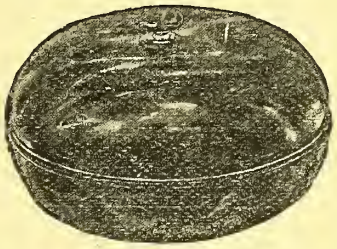
"THE HOUSE THAT GIVES YOU SERVICE."

ADOLPH SCOTT Ltd.

23 to 26 Gt. Hampton St.
BIRMINGHAM.

Telegrams - - Adolph, B'ham.
Telephone - - Northern 2102.





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Imitation Tortoiseshell and Ivory

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REAL TORTOISESHELL AND REAL IVORY

ALWAYS IN STOCK.

THE recent revision of the WORKMEN'S COMPENSATION ACT has caused certain extensions of the liability of an

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Are you sure that you are fully protected in this connection? We will be most happy to give you the benefit of our expert advice.

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Established 1890. 24, 26 & 28, MOORGATE, LONDON, E.C.2. *Funds Exceed £650,000.*

BIDWELLS' PROPHYLACTIC TOOTH BRUSHES

IN THREE SIZES

SILVERED WIRES.

EACH IN CARTON.

CASTLE MILLS, AXMINSTER. On 6 dozen lots own name free on Carton, if desired.

"WALO" BOTTLE-CAPS

made from

HIGHEST QUALITY VISCOSE.

Self-Fixing, Hermetic.

Prompt Delivery.

When wet.

WHITE AND ALL COLOURS. OPAQUE AND TRANSPARENT.

All sizes up to 5" dia.

USUAL TYPE, EXTRA BRILLIANT, SILK-FINISH.

When dry.

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BRUCE, DAWSON & COMPANY

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The ORIGINAL-BEST and ONLY BRITISH MADE.

SELF-FIXING, HERMETIC, TRANSPARENT, OPAQUE, COLOURED.

IMMEDIATE DELIVERY

FROM THE MANUFACTURERS.

VISCOSE DEV. Co. Ltd. BROMLEY KENT.

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WHITE FLINT KALIS

½ oz., 1 oz., 16 oz., 20 oz.

WHITE FLINT LIMES

16 oz.

Also all other sizes in stock, etc., etc.

PLEASE ASK FOR CLEARANCE LIST.

We shall be pleased also to send you our Current Price List.

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99 CANNON STREET - - LONDON, E.C.4.

(Strictly Wholesale. Original case lots only.)

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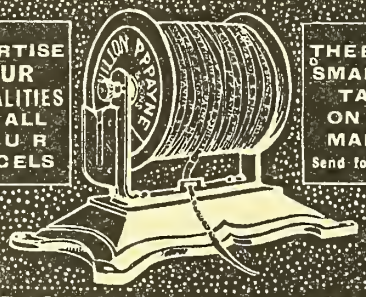
ADVERTISE YOUR SPECIALITIES ON ALL YOUR PARCELS



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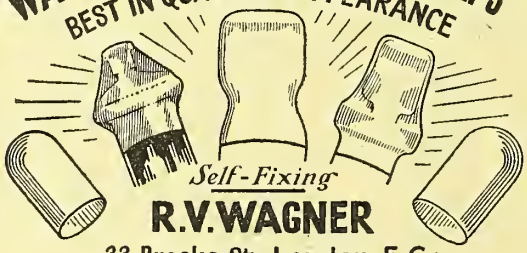
WAGNER'S DRY BOTTLE CAPS

BEST IN QUALITY & APPEARANCE



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HYGIENIC WRAPPING MATERIAL

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QUITE INSOLUBLE

Odourless, Tasteless, Non-injurious, Air-, Grease-, Water-, & Odour-Proof

ESSENTIAL FOR HIGH-CLASS WRAPPING OF PERFUMES, SOAPS, AND ALL ALLIED PRODUCTS.

TRANSPARIT has been awarded the Certificate of The Institute of Hygiene for PURITY, QUALITY & MERIT.

TRANSPARIT BAGS & ENVELOPES. Samples and Prices on Application. TRANSPARIT DISCS.

SIER, VOSS and TOMES, 11b Upper Thames Street, London, E.C.4.

Don't use COMMON BOTTLES

There is nobody so fastidious as an Invalid. Cater to his fastidiousness by turning out your prescriptions in the best possible style.

There is no better help than a smoothly finished, bright, attractive bottle.

Buy BEATSON'S BOTTLES

ESTABLISHED 1751.

Beatson, Clark & Co., Ltd.
ROTHERHAM GLASS WORKS,
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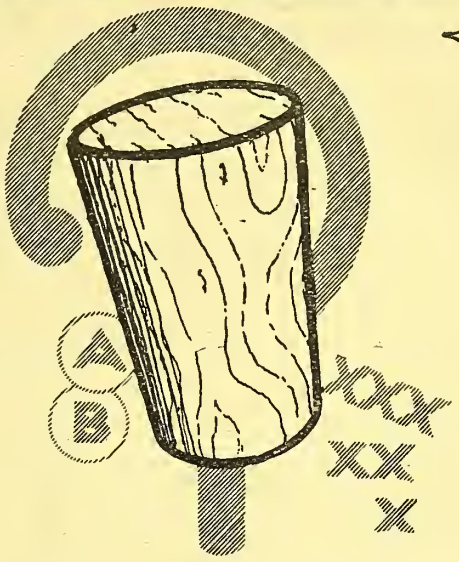

BEHIND *this* CORK

THERE is, behind this Cork—and all Armstrong Corks—a proud reputation built up by 65 years of honest trading.

Armstrong Corks are guaranteed corks. They are always up to sample—always up to standard. You *know* what you are going to get when you re-order. They are graded (A), (B), and XXX, XX and X. There is a grade and a price for every need. Buy the Corks which are backed by a reputation and a guarantee.

— Write TO-DAY for — Samples and Quotations.

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WIFE'S FRIEND

RENOWNED FOR EFFICIENCY AND PURITY

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Registered Trade Mark upon each box thus:

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A satisfied customer is always an asset to your business.

VARICOSAN-BANDAGE

(VARIX-SANARE)

An effective, absolutely simple, cheap dressing, for the *cure* of varicose ulcers. Used by thousands of *physicians with success all over the world.*

ASK FOR PARTICULARS TO YOUR WHOLESALE HOUSE.

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WHOLESALE ONLY.

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Our Paris House is always on the look-out for Novelties suitable for manufacturing purposes, and we shall be glad to obtain articles for clients.

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SURGICAL DRESSINGS

specify

"WARDLE"

—the name that stands for

super-quality

(Wholesale and Export only)

The Wardle Range includes:

Absorbent Lint, Boric Lint, Bandages, Gauzes, Gauze Tissue, Cotton Wools, Coiled Wool, Grey Wools, Capsicum Tissue, Sanitary Towels, Dental Gauzes and Napkins, - - Hygienic Squares. - -

Bleachers of Bandage Cloths, Gauzes, to the Trade. Also Absorbent Cotton.

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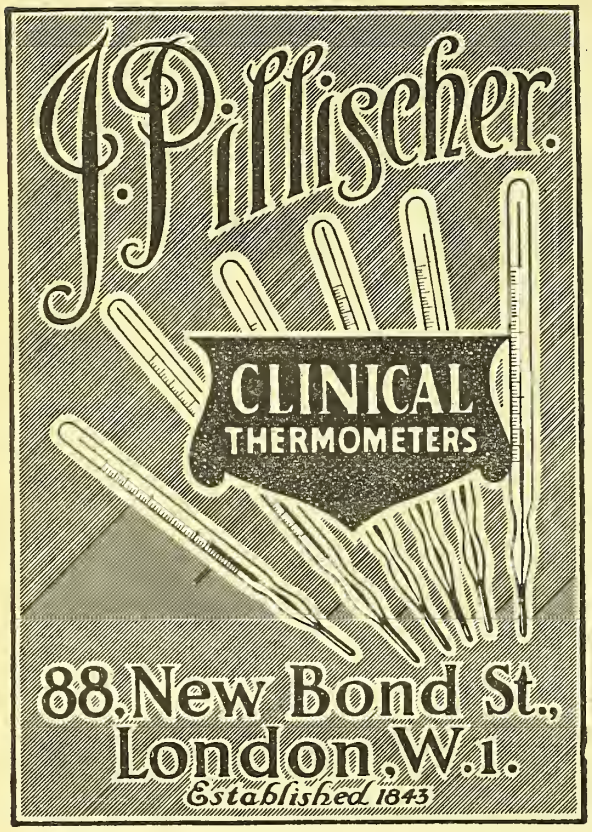
LONDON: 9 FORE ST. AVENUE, E.C. 2.



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Indents promptly and carefully executed for all parts of the world if accompanied by Bankers' Credit.

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Moderate Buying Commission. *Enquiries Invited.*

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NURSE HARVEY'S MIXTURE

A safe, simple and reliable remedy for Children's Ailments is advertised so extensively in the daily and weekly Press as to bring mothers to the retailer without effort on his part.

The selling has been done before the mother reaches the chemist, and, having supplied her, it is only common sense to claim she will buy other family necessaries from him. Moreover, the continuous demand for it produces a quick turnover.

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STRICTLY WHOLESALE ONLY **26 FINSBURY SQUARE, LONDON, E.C.2.** Telephone: Clerkenwell 1772

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HOT-WATER BOTTLES

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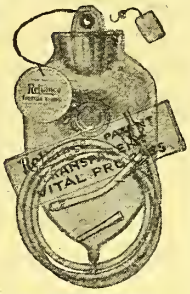
BEST VALUES.
BEAUTIFUL COLOURS.
INCOMPARABLE SERVICE.
SURE PROFIT MAKERS.

Everything in DRUGGISTS' RUBBERWARE.
BRITISH RUBBER made by BRITISHERS.
WHOLESALE and EXPORT ONLY.



H.-W. Bottles retailing from 4/11 to 10/6 ea.
Combination Syringes from 9/6 each.
Fountain Syringes from 7/6 each.

Supplies from all the leading Wholesale Sundriesmen or direct from

RELIANCE RUBBER COMPANY LIMITED
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CLINICAL THERMOMETERS

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BRITISH MADE

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G. H. ZEAL, LTD. 75 & 77 St. John Street —LONDON, E.C.1—

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All first-class selling lines.

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Jackets and Coats of very superior quality, made from the most reliable materials, smartly cut and thoroughly well finished in every detail.

WHITE DRILL JACKETS	*6/11, 8/11, 10/6*
KHAKI DRILL COATS	*7/11, 10/6, 12/6, 14/11*
WHITE DRILL COATS	*10/6*
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STOCK SIZES 34 to 44 chest ; measure over waistcoat. Special pockets and little adjustments can be made without extra charge. POSTAGE on single coat 9d., but 20/- orders upwards carriage paid. SPECIAL PRICES FOR LARGE QUANTITIES.

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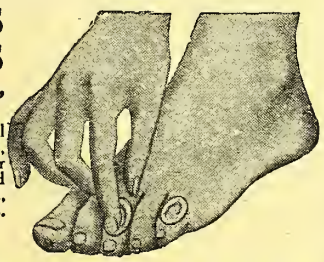
Dr. SCHOLL'S ZINO PADS

For Corns, Bunions, and Callouses.

Being simple to apply, effectual in use and heavily advertised, they have secured the major part of the enormous and increasing demand for corn, bunion and callous remedies.

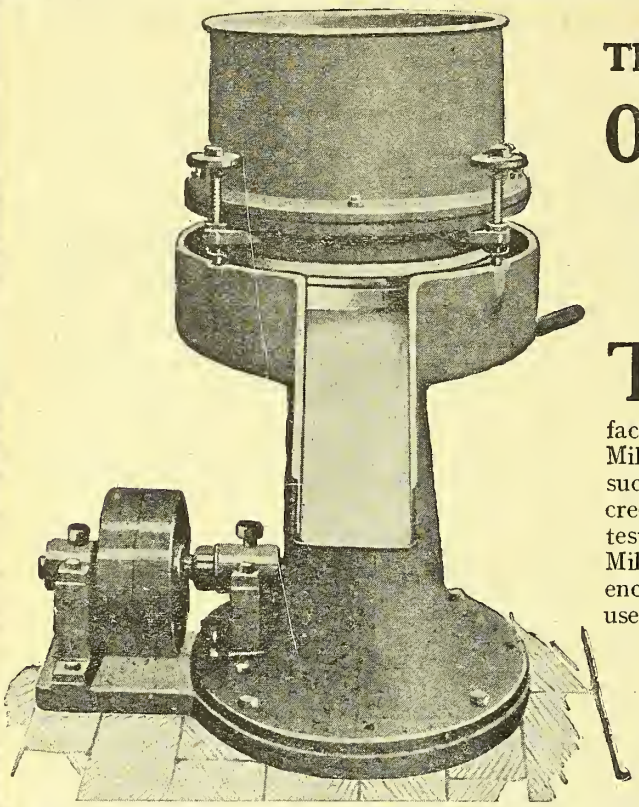
Put one on—the pain is gone.



Dr. Scholl's Zino Pads remove the cause, prevent all chafing and rubbing, are self adhesive—require no strapping, are applied in three seconds and do not come off even when bathing. Retail price per box 1/3.

Write for Illustrated Catalogue.

The SCHOLL MFG. CO. LTD., Granville Square, London, W.C.1



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THIS ILLUSTRATION SHOWS THE NEW

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THERE are now approximately 300 of S. W. Wilkinson's original Speedy Mills in use by British and other Manufacturing Chemists. A number of the new Mills are now in use and are giving much success and pleasure to the users and much credit to the designer and maker. Splendid testimonials have been received. The new Mill is the result of nearly 20 years' experience with the original Mill and the various uses to which it has been applied.

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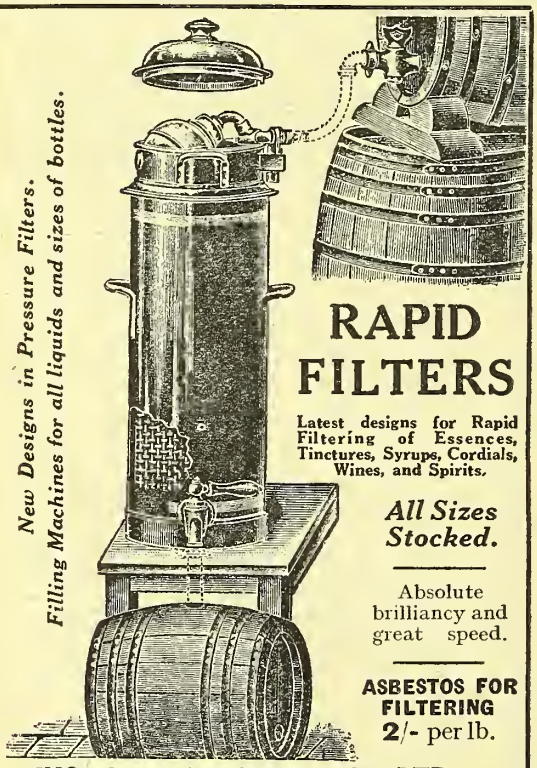
Chemical Engineers

Western Road - - LEICESTER

New Designs in Pressure Filters.

Filling Machines for all liquids and sizes of bottles.



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Latest designs for Rapid Filtering of Essences, Tinctures, Syrups, Cordials, Wines, and Spirits.

All Sizes Stocked.

Absolute brilliancy and great speed.

ASBESTOS FOR FILTERING
2/- per lb.

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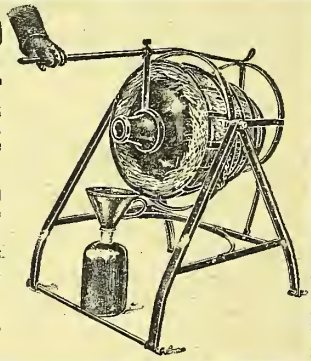
POWNALL SQUARE, LIVERPOOL

CARBOY STAND AND TILTER.

For drawing off small quantities of acids, etc. from Carboys, with ease and safety.

The Carboy can be tipped to any position with one hand.



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Carboy Hamper Manufacturers,
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You can depend on the Gledhill Till always providing you with a systematic check on all cash transactions, particularly during busy periods when the danger of mistakes is greater. The "Total Adder" (illustrated) automatically adds the sales into one total; issues a dated, printed receipt; prints amount of purchase in large, clear figures, and retains a duplicate for your own reference.

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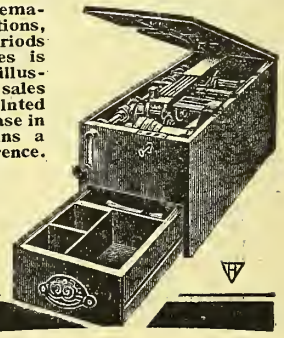

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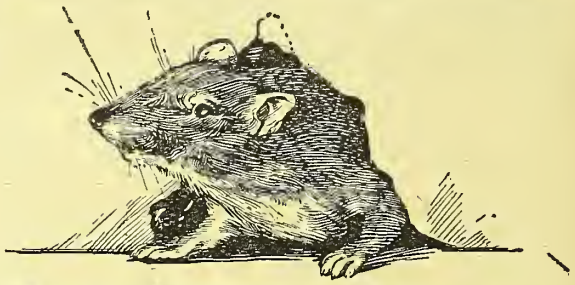

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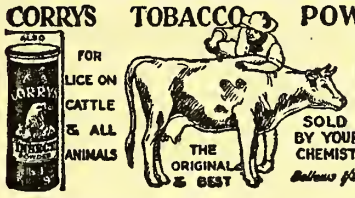

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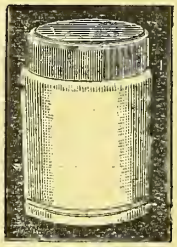

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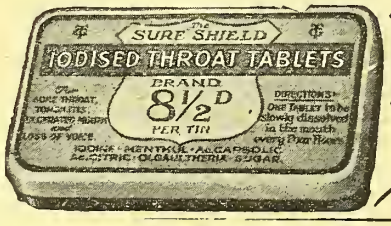

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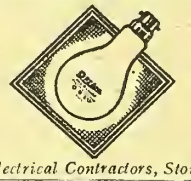

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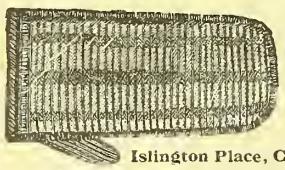

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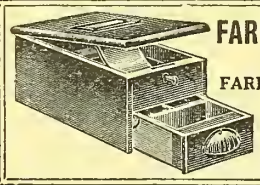

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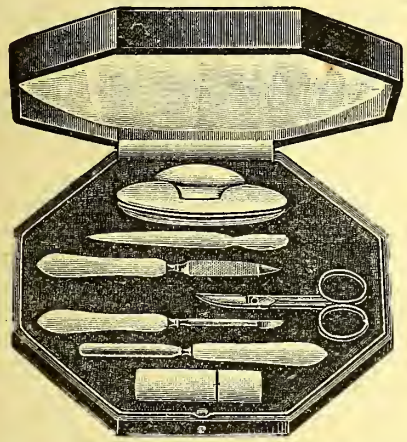

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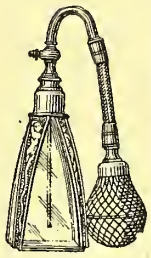

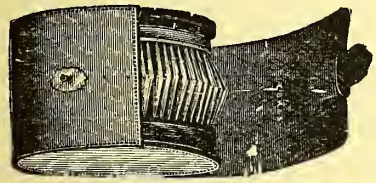

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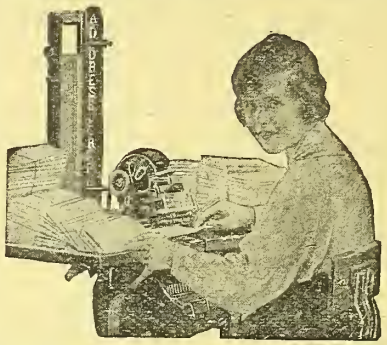

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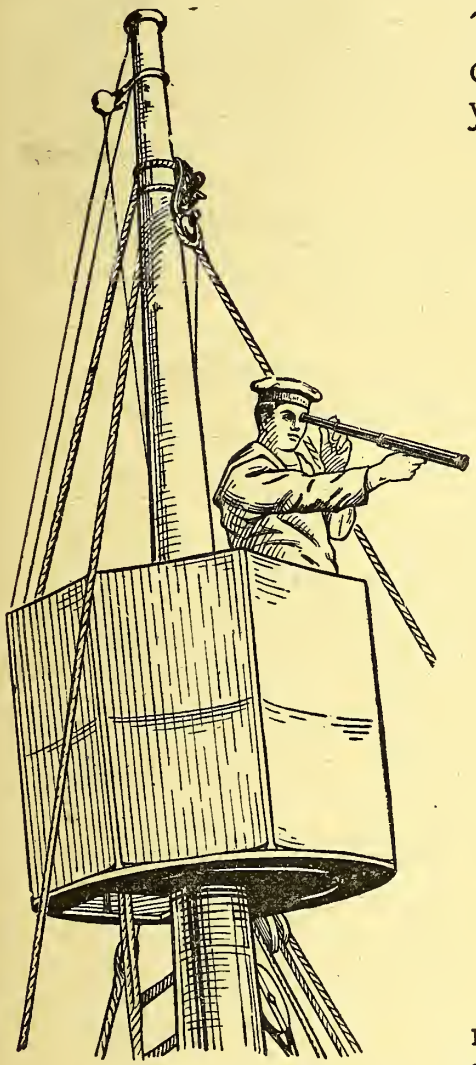

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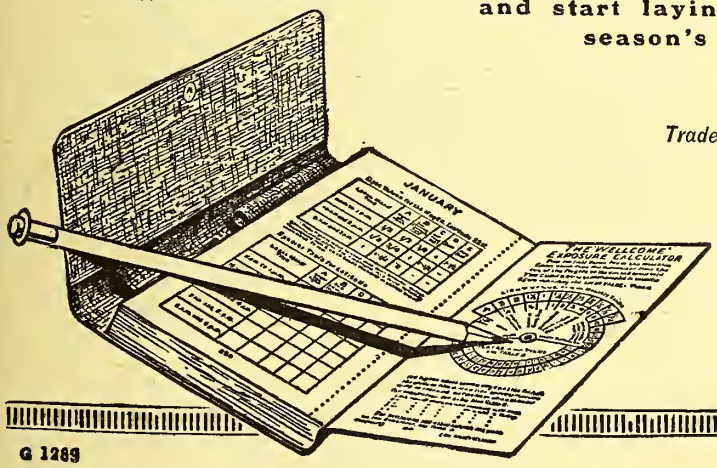

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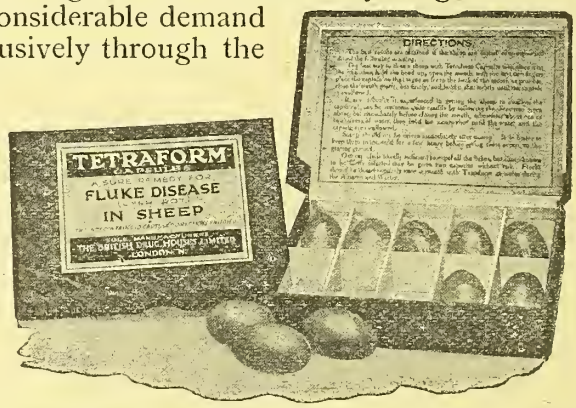

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C. & D. Poisons Cards

THE advantage of the *C. & D.* system of Poisons Cards is that they are revised whenever there are any changes in the regulations dealing with the sale of poisons. By purchasing each new edition a chemist is certain that he has before him a working summary of the most recent poison laws. The importance of following the changes very closely is obvious to the busy chemist, bearing in mind the outrageous penalties which may be incurred by innocent infringement of the innumerable regulations made under the Dangerous Drugs Acts.

No. 1.—Poisons Card giving the Schedules and Regulations under the various Acts of Parliament restricting the sale of poisons, etc., in Great Britain, **has been revised in accordance with the changes introduced by the Order in Council which came in force on August 14.**

No. 4.—Dangerous Drugs Act Summary of Regulations, with table showing the percentages of cocaine, diamorphine, and morphine in various pharmaceutical preparations. **The new edition now on sale** is revised in accordance with the regulations in force since July 29.

The *C. & D.* Poisons Cards are issued of a uniform size (10 in. by 12½ in.), with the information distinctly printed on white cards, with cord for hanging up in the pharmacy or dispensary. The cards are supplied at **1s.** each, post free.

English and Welsh News

The Editor will be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

Rheumatism in Industry

A meeting of the Industrial Management Group of the Federation of Medical and Allied Societies was held in London, on October 26, for the purpose of discussing the prevention and treatment of rheumatism in industry, a disease now recognised as costing a large sum annually in sickness benefit and loss of working time. Sir Thomas Horder, M.D., who was the chief speaker, defined the chief causes of rheumatism as (1) germs accumulating in certain parts of the body; (2) malnutrition; (3) nerve strain, and (4) damp. Incidentally, Sir Thomas protested against the idea that "certain homely and innocent remedies should be taboo." He continued: "Aspirin is a very valuable drug. I should like to put up a statue to the man who made aspirin, but no one seems to know who it was. Perhaps it could be put up to 'the unknown chemist.'" Aspirin, he proceeded, had made an enormous contribution to the good of the world. The best time to take it was when a person knew he could keep warm, and would not be subject to exercise or fatigue for an hour or so afterwards. To take a dose of aspirin and then ride on top of an omnibus, for instance, was to ask for trouble.

Fires

The following outbreaks of fire have been recorded since our last report :—

A fire broke out, on October 19, at the premises of Mr. T. C. Clegg, chemist and druggist, Lorne Terrace, South Bank, Yorkshire. The outbreak originated on the top floor, where a quantity of stock was damaged.

An outbreak of fire which occurred on October 22 at the premises of F. Fallows & Co., chemical manufacturers, Wilna Road, Wandsworth, London, S.W., is attributed to the overheating of a drying apparatus. Part of the first floor and its contents was damaged, and a portion of the roof was destroyed.

There was a serious outbreak of fire on October 25 at the premises occupied by Fox, Stockwell & Co., resin merchants, Wharf Road, London, E. The damage runs into thousands of pounds, as a large portion of the building and stock was destroyed, but it is stated that the manufacturing side will not be interfered with. The adjoining premises of Wilkinson, Heywood & Clark, varnish makers, were also involved, but the damage in this case was not of an extensive nature. The cause of the outbreak has not been ascertained.

Northamptonshire Natural History Society

The jubilee dinner of the Northamptonshire Natural History Society was held at Northampton on October 22. Earl Spencer presided, and Alderman Dr. G. Claridge Druce, Oxford, was the guest of the evening. The chairman, in proposing the toast of "The Society," coupled with it the name of Dr. Claridge Druce, the oldest surviving past-President, and one of the few surviving founders. Dr. Druce, said Lord Spencer, was the leading British botanist, and had written on flora of the county in their journal. What Northampton had lost Oxford had gained. In returning thanks, Dr. Druce alluded to his early apprenticeship to pharmacy in that town, and to his attempt with another enthusiast to found the Society. Thanks to it, the irrational barrier which separated class from class and sect from sect (or no sect) had been broken down. After the reception by Lord Spencer, Dr. Druce took the chair in order to make a presentation to the editor and secretary. Dr. Druce handed to Mr. Beeby Thompson, F.C.S., four pieces of plate and a china dinner service, as a tribute to his forty-six years' editorship of their journal, and said he was one of our leading geologists and petroleum experts. To Mr. H. N. Dixon, whose book on British mosses had done much to popularise the subject, he presented on behalf of the subscribers a water-colour drawing by

Alfred Williams, an atlas and volumes of books, as a token of their esteem for his forty years' service as secretary. Suitable replies having been made, a scientific and musical programme concluded a most successful gathering.

Birmingham

Wholesale manufacturers are gradually getting back to the normal for this season of the year, and in many cases workers are on full time.

An interesting address on "The Relation between Chemical Constitution and Physiological Action" was given, on October 26, by Professor Cohen, of Leeds University, before the members of the Chemical Society of Birmingham University

Among the pharmaceutical window displays which are attracting particular attention at the present time are those of Bannister & Thatcher, Harborne; Hedges (chemists), Ltd., North Western Arcade; and Messrs. H. Anchor, Bishop, and J. M. Knight, all of Ladypool Road.

The inaugural meeting of the school of pharmacy at the Municipal Technical School was held on October 20. Councillor R. H. Hume, M.A., chairman of the School Committee, presided. The address was given and the prizes were presented by Mr. A. R. Melhuish, member of the Pharmaceutical Society's Council. The chairman, in his opening remarks, mentioned that the school had been inspected by London University with a view of the establishment of a course for the degree of bachelor of pharmacy, and the report had been extremely favourable; he had every confidence that the course would be established in the near future. Mr. H. Berry, B.Sc., lecturer in pharmacy, presented a report on the past session. The total number of pharmacy students at various stages of training was 141, with a high percentage of passes. In future sessions there would be no combined course, and the minimum length of time devoted to training for the Preliminary Scientific examination and the Qualifying examination would be one academic year. The following prizes were awarded:—*Presented by the Birmingham Pharmaceutical Association*. Silver medal and books, E. R. Williams; bronze medal and books, V. L. Jones. *Presented by Mr. B. W. Shaw* (President of the Pharmacy Students' Association): Miss N. Lea; J. H. Harper. Captain E. C. Bennison, President of the Birmingham Pharmaceutical Association, in proposing a vote of thanks to Mr. Melhuish, said he had received a letter from his predecessor in business, Mr. Thomas Chase, promising to invest a sum of money to provide an annual prize in botany for the best student in that subject. Mr. E. W. Mann seconded. A vote of thanks to the chairman was proposed by Mr. G. Knowles, and seconded by Mr. F. H. Alcock, F.I.C., Ph.C.

Liverpool

Mr. Prosper Marsden and Mr. Frank Wokes have received congratulations on their recent successes.

The Liverpool Chemists' Association's annual ball at the Midland Adelphi Hotel has been fixed for November 24.

The members of the Liverpool Pharmacy Club are arranging a ramble for October 31: meet Landing Stage 2.30 p.m.

Thompson & Capper, Ltd., have a stall at the "Daily Post and Echo" Civic Week Exhibition, which has remained open this week. One of the most interesting exhibits at this stall is a machine which turns out aspirin tablets by the thousand. Other exhibits of interest to chemists are the showcases displayed by D. Matthews & Son.

Manchester

A number of new and up-to-date poison-cupboards have been recently installed throughout Manchester as the result of Home Office activities.

The recent visit of the resident secretary of the Pharmaceutical Society in Scotland (Mr. J. Rutherford Hill) gave great pleasure to his numerous circle of Lancashire friends and countrymen (for, at last, it has been discovered that Mr. Hill was born in Lancashire).

A dance will be held by the junior section of the Manchester, Salford and District Branch of the Pharmaceutical Society at the University Women's Union, Lime Grove, Oxford Road, on November 3, from 7 p.m. to 12 p.m. Tickets, 3s. 6d. inclusive, may be obtained from Miss P. M. Cripwell, 86 Aston Avenue, Moss Side, or from members of the committee.

The funeral of Mr. Joseph Bell, a past-President of the Manchester Pharmaceutical Association, whose death was reported in the *C. & D.* of October 23 (p. 629), took place at the Southern Cemetery, Manchester, on October 20. It was attended by a representative gathering of his pharmaceutical colleagues, including Messrs. Franklin (President), Bates (Vice-President), Pidd (treasurer), Miller (secretary), Hershberg, Cleworth and Dickson (past-Presidents), and several members who had known him for many years. Mr. Bell was a prominent worker at the Cavendish Street Chapel, All Saints, Manchester, the Pastor of which conducted the service at his residence, and afterwards held a short service at the grave side. By a strange coincidence Mr. Bell died on the same day of the year as that on which his wife passed away three years ago, and was, like Mrs. Bell, seventy-one years of age.

Sheffield

Mr. H. Bown, chemist and druggist, Cemetery Road, has passed his final examination for a medical qualification.

Mr. Thomas Daykin, chemist and druggist, Market Place, Bolsover, will shortly open a pharmacy in London Road, Lowfields.

It is anticipated that inspectors under the Dangerous Drugs Acts will soon be turning their attentions to the cupboards of Sheffield chemists.

The competition held on October 15, the questions for which were printed in the *C. & D.*, October 23, p. 518, was for students of the Sheffield Pharmaceutical and Chemical Society, and not as stated.

Miscellaneous

FOOTBALL.—Playing at Eltham, on October 23, The Eno Recreation Club was defeated by Deurance (two goals to one).

ULTRA-VIOLET RAY TREATMENT LICENCE CONDITIONS.—The public control committee of the London County Council, sitting on October 22, decided that Frederick P. Wood, the proprietor of a West End "sunlight institute," should only be granted a licence to give ultra-violet ray treatment if such treatment was given under medical supervision. The applicant declined to accept the condition.

ROYAL INSTITUTION.—Courses of lectures have been arranged at the Royal Institution during November and December. The Tyndall lectures will be delivered by Dr. G. W. C. Kaye, who will commence a course of three lectures on "The Acoustics of Public Buildings" on November 2, at 5.15, and on November 23 Sir William Bragg begins a course of four lectures on "The Imperfect Crystallisation of Common Things." Thursday afternoon lectures will include two by Sir Squire Sprigge on (1) "Early Medical Literature" and (2) "Medical Literature in Relation to Journalism." The juvenile lectures at Christmas will be delivered by Professor A. V. Hill, on "Nerves and Muscles: How We Move and Feel."

IN THE COURTS.—At Cumberland Assizes, on October 18, John H. Fisher and James Clark were bound over on a charge of breaking into the premises of Mr. Fred Douglas, chemist and druggist, Workington, and stealing the sum of £3 2s.—At Marylebone Police Court, on October 23, H. Deller, messenger boy, was placed on probation, and Albert Nattage, fishmonger's assistant, was fined £5, with £5 costs, for stealing and receiving respectively goods from the drug and perfumery department of William Whiteley, Ltd., Westbourne Grove. The prosecuting solicitor remarked that one big firm had lost £8,000 in a year by similar pilferings.—At Dover Police Court, on October 25, Ernest Durr, hairdresser, Adam Street, London, W.1, was fined £50, with costs, for illegally importing 30 gr. of cocaine. The defence was that he had bought it out of curiosity.

Scottish News

Brevities

Mr. J. H. Adam has been appointed Scottish representative of Edward Cook & Co., Ltd., soap manufacturers, London, E.3.

At Banff Sheriff Court, on October 20, William A. McNeil, described as an assistant chemist, Aberdeen, was fined £2 on a charge of recklessly driving a motorcycle on September 27.

MR. S. GOLDBERG, of Samuel S. Goldberg, druggists' sundriesman, 57 Hope Street, Glasgow, will be unable to attend to any business for a few days as he is suffering from a fractured wrist.

As their representative in Scotland in succession to the late Mr. John Greig, chemist and druggist, Allen & Hanburys, Ltd., have appointed Mr. T. E. Gray, chemist and druggist, who has represented the company in West London.

The following are among those connected with the drug trade who are candidates in the Scottish municipal elections :—Messrs. C. P. Bayne, Jedburgh; W. Davidson, Blairgowie; J. Lockerbie, Dumfries; A. McDonald, Dunfermline; G. C. McGonigal, Carnoustie; G. A. McGregor, Dufftown; H. F. Scott, Inverkeithing; F. Taylor (Bristol-Mysers Co., manufacturing chemists), Glasgow; J. P. Thomson, Penicuik; J. Watson, Queensferry; J. Young, Clydebank.

Edinburgh

Houghton-Butcher (Great Britain), Ltd., photographic apparatus manufacturers, are transferring the work of their local branch to Glasgow.

Harkness, Beaumont, & Co., Ltd., held their annual dance on October 22, in Smith's Rooms, Leith. The dance was ably conducted by Messrs. D. Gourlay and T. Hislop, and songs were rendered during the intervals.

Irish News

Brevities

Mr. George Reilly has opened a pharmacy in Belmullet, co. Mayo.

At a recent meeting of the Killarney Mental Hospital Mr. John Sewell was appointed temporary dispenser.

At the Compensation Court in Letterkenny, on August 21, Mr. Robert Stewart, R.D., was awarded £46 for the bombing of his premises in 1922, and the same applicant was awarded £13 18s. 6d. for goods commandeered and damage done to his windows.

Mr. A. F. Alexander, secretary to the Londonderry Education Committee, in a report on the cod-liver oil emulsion scheme, says:—The scheme was arranged to provide regular treatment with emulsion consisting of 33⅓ per cent. cod-liver oil with hypophosphites of lime and soda for about 300 poor and delicate children during the period January-March 1926. The number of children whose parents consented to treatment was 387; twelve refused. Children selected by the committee numbered 364; the children actually treated, 336. The cost of the scheme, including medical fees, was £28 8s. 2d. The quantity of emulsion distributed was 261 pints. The reports from the schools showed that the children had greatly improved.

Belfast

Mr. Matthew McDonald, M.P.S.I., has given up his pharmacy at 122 Donegall Street.

At the Custody Court, James May, Wandsworth Parade, Belfast, was charged with endeavouring to obtain morphine from Mr. Thomas McGurk, Ph C., The Mount, Belfast, on October 11. The accused was remanded.

Dublin

At the District Court, on October 23, Wm. Lord, 5 Crampton Court, and James Doyle, 7 Peter Street, both of Dublin, were sent for trial on the charge of stealing "Daisy" headache powders, value for £3, from their employers, Boileau & Boyd, Ltd. Lord was also charged with being illegally in possession of drugs value for 23s.

Harry Willis, mechanic's assistant, Lower Clanbrassel Street, Dublin, was remanded in custody in Dublin, on October 23, charged with having unlawfully induced Policewoman O'Neill to purchase a box of pills for an illegal purpose, and with endeavouring to induce her to allow him to perform an illegal operation. He was further charged with selling a box of capsules for 25s. Morris H. Willis, his brother, was charged with conspiring with his brother to sell the drugs. It was stated that the defendant destroyed a quantity of the drugs at his house. Defendant was also remanded.

Corner for Students

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist & Druggist,' 42 Cannon St., London, E.C.4."

QUALITATIVE ANALYSIS

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture may contain metallic and acidic radicals occurring in the British Pharmacopœia, or any of the commoner radicals not mentioned in that work, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by *a stamped and addressed envelope*, not a stamp merely) will be received up to Tuesday, November 9, on which day the samples will be posted. Students' reports will be received up to Saturday, November 20. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture

The analysis announced above forms the opening exercise in

THE ANALYTICAL TOURNAMENT

for the current winter session. Students may forward six stamped addressed envelopes (marked on the top "Corner for Students"), to be utilised month by month for the "salts." We offer special certificates and prizes for the best series of reports submitted on the exercises to be set from November 1926 to April 1927 inclusive. The awards will be made to the students who obtain the highest aggregates of marks for their reports upon the whole six exercises, and will comprise :—

First Prize.—Certificate of honour and books to the value of three guineas.

Second Prize.—Certificate of honour and books to the value of two guineas.

Third Prize.—Certificate of honour and books to the value of one guinea.

The competition is open to all pharmacy students who have not passed the Major examination in Great Britain or the Licence examination in Ireland. Former tournament prize-winners are disqualified from taking a tournament prize, unless it be a superior one to that previously gained. Besides the tournament prizes, the usual monthly awards will be made to junior students, viz. :—

First Prize.—Books to the value of 15s. or thereabouts.

Second Prize.—Books to the value of 7s. 6d. or thereabouts.

These monthly prizes will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, which fact *must be attested on their reports.* Students who adopt a *nom de plume* must adhere to it throughout the tournament.

Colonial and Foreign News

PARCELS FOR RUMANIA.—An order of the Minister of Commerce requires that every post parcel consigned to Rumania must be accompanied by two copies of the invoice; one copy has to be placed inside the parcel, and the other must be attached to the despatch note.

BRAZILIAN IMPORT AND EXPORT TAXES.—From December 20, 1926, a tax amounting to 3½ reis per kilo will be levied on all goods of foreign origin entering Brazilian ports, while 2½ reis per kilo will be charged on all exports of home produce destined for foreign ports.

THE TURKISH TRAGACANTH harvest has commenced in Anatolia, and the production is estimated at 135,000 kilos. Prices are now about 15 to 20 per cent. above those quoted last year, and as the dealers are reckoning with a fall in prices, transactions are limited to small amounts.

CHILEAN IODINE PRODUCTION.—According to the Chilean official statistics for the year 1924, the total production of iodine amounted to 597,799 kilos, of which 591,396 kilos was exported, to the following destinations: Great Britain, 401,043; France, 39,487; Germany, 115,978; Italy, 13,826; United States, 20,764 kilos.

NEW CHINESE SULPHURIC ACID WORKS.—The Tai Ping Co. is being organised in Anhsien, Szechwan province, by Teng Hsien-ting and other industrialists. A temporary office is to be established at Chuishuikwan, Anhsien, and the works at Taipingchang, Mowchow. Sulphur is to be procured from the Government Sulphur Mine in the latter place.

MADRAS OIL EXPORTS.—During the year 1925-26 exports of lemongrass oil from the Madras Presidency expanded from 57,450 gallons to 66,686 gallons, France taking 29,126 gallons, the United States 11,828 gallons, and Germany 6,078 gallons. Under vegetable oils the despatches of castor oil rose from 310,364 gallons to 456,538 gallons, the United Kingdom taking 72 per cent. and Germany 12 per cent. The quantity of coconut oil slightly improved from 112,061 gallons to 117,452 gallons. Exports of groundnut oil were 27,886 gallons, against 21,552 gallons in the previous year.

SPANISH CONTROL LABORATORY.—The laboratory recently created in Spain by a Royal Decree for the analysis and control of pharmaceutical specialities, serums, vaccines, proprietary disinfectants, and substitutes for human milk, is to consist of three sections: Serological, pharmacological and physiological, and chemical analysis. Applications for the positions of director and three technical assistants in the last-named section are now invited from Spanish subjects holding the degree of doctor, or licentiate, of pharmacy, or of chemical sciences. The annual salary of the director has been fixed at 12,000 pesetas, that of a technical assistant at 10,000 pesetas, increasing by 1,000 pesetas every five years.

COMPULSORY RETIREMENT OF PHARMACISTS IN SWEDEN.—The latest returns show that a Swedish pharmacist now has to wait at least 28 years after obtaining his qualification before there is any prospect of receiving a concession, that is, of becoming the independent owner of a business. The average age of the successful concessionaires—in consequence of the limited number of pharmacies in Sweden, the annual number scarcely reaches a dozen—has steadily risen during the past years, and in 1925 stood at 52.1 years. The fact that a pharmacist has to spend 28 or even more years as an assistant to become a proprietor at a comparatively advanced age, now over 50 and likely shortly to be not under 60 years of age, is adduced by the Association of Swedish Pharmacy Assistants as a sufficiently powerful argument in favour of the compulsory retirement, with a pension, of proprietors of pharmacies on attaining a certain age limit. A petition to this effect has been presented by the Association to the Government.

CANADIAN P.A.T.A.—Any action which the Canadian Government may take in connection with the prosecution of the Proprietary Articles Trade Association has been deferred for the time being, according to a formal announcement by Mr. Peter Heenan, Canadian Minister of Labour, who has jurisdiction over the Combines Investigation Act. No steps will be taken by the Canadian Federal Government for a reasonable period to give the Association an opportunity to submit a statement on the report of the Registrar of the Act in which the ruling was made that the Proprietary Articles Trade Association is a combine in restraint of trade. On making his announcement on October 14, Mr. Heenan declared that the investigation which preceded the Registrar's report was an impartial one, and took into account all sides of the question. During the inquiry by the Registrar the Association had presented its facts and views. The information furnished by the trade organisation was fully considered before the conclusion was reached and the report published. At the same time, Mr. Heenan declared, he was anxious that, if the druggists had anything further to say, they would be given an opportunity so long as it did not mean unreasonable delay. Accordingly, he had given them until November 1 to submit any further evidence, and consideration would be given to every representation.

American Notes

By "The Man from London"

THE UNITED DRUG COMPANY report net profits of $4,200,717, after costs, expenses, depreciation and current taxes are deducted for the first six months of this year. Net sales for the period reached $42,946,479, and other income totalled $578,584. Costs of sales were $29,068,087; depreciation, doubtful accounts and current taxes aggregated $831,801, and expenses of operation were $9,424,458. After interest and dividends on common and preferred stocks, amounting to $2,919,964, the profit and loss as at June 30, 1926, stood at $11,872,446.

SCIENCE RESEARCH ENDOWMENT.—A $20,000,000 endowment fund is to be raised for the National Academy of Science to be used in economic research work. Secretary Hoover, of the Commerce Department, U.S.A., heads the movement, and thus gives government sanction to the scheme. Its purpose is to increase and strengthen American contributions to the mathematical, physical and biological sciences by selected skilled investigators engaged in pure science research. In connection with this subject it is stated there are six million persons in America engaged in modern electrical industry.

PRODUCTION OF BEAUTIFIERS.—A report of the U.S. Department of Commerce places at $141,488,000 the value of toilet preparations produced in the United States in 1925, this being an increase of nearly 19 per cent. over the amount manufactured in 1923 (figures for 1924 are not available). The significant point in these returns is the fact that domestic toilet preparations are largely ousting imported products of this class. The following figures are given of the production of different categories of toilet preparations: Creams, rouges, etc., $34,178,000; dentifrices, $25,496,000; talcum and other toilet powders, $21,423,000; perfumery and toilet waters, $20,544,000; hair tonics, $9,480,000; hair dyes, $1,616,000; other cosmetics and toilet preparations, $20,694,000; perfumery, cosmetics and toilet preparations not reported by class or kind, $8,057,000.

TRADE-MARK AND GOODWILL.—Writing in "Standard Remedies," Waldon Fawcett points out that one reason why the U.S. courts are filled with so many tedious and costly suits over trade-marks is that trade-mark owners have never learned the lesson of eternal vigilance or acquired the habit of taking things for granted as to their rights and privileges. Contrary to belief in some quarters, registration of a trade-mark in the U.S. Patent Office does not signify official acceptance of the owner's right to exclusive use of the mark forever. A trade-mark is registered for a period of twenty years, at the expiration of which time the registration should be renewed. In the event of a change in ownership of a trade-mark, it saves much bother if a United States certificate be obtained in the name of the current owner. Any modification of a trade-mark should at once be recorded in Washington, as it is important to have dimensions and everything connected with the trade-mark in order. Trade-marks have multiplied enormously lately, and in some instances, come close to one another.

Legal Reports

British Patents in the Irish Free State.—In the Supreme Court, Dublin, on October 18 and 19, the British Thomson-Houston Co., Ltd., Manchester and London, appealed against the decision of Mr. Justice Meredith (*C. & D.*, July 24, p. 159) dismissing their application for an interlocutory injunction to restrain Litton & Co., Ltd., electricians, Dublin, from selling articles in infringement of two letters patent of the plaintiffs. Counsel for the appellants contended that their rights were preserved by the Patents Act, 1907, as amended by the Act of 1919, and that these and other British Statutes were continued in operation under Article 73 of the Free State Constitution, while Article 2 of the Constitution vested such rights in the Free State Government for the benefit of those who held them. At the conclusion of the arguments the Court allowed the appeal, with costs. The Chief Justice, in delivering judgment, said, however, that they did not wish to be taken as expressing an opinion on the constitutional issue to be tried in this action.

The Price of a Sample.—In the Mayor's and City of London Court, on October 21, Mr. Daniel T. Lawson, trading as the London Fancy Box Co., East Road, N.1, sued Frischers, brush manufacturers, Ropemaker Street, E.C., for the sum of £3 3s., for work done and material supplied, or alternatively for goods sold and delivered. Mr. W. B. Frampton, counsel for the plaintiff, said that in February the defendants requested the plaintiff to submit a wooden box for counter purposes as a showcase for samples of brushes for their approval. The plaintiff worked out a design containing the requirements of the defendants, and made a sample box. Mr. Cresswell, a rival of the plaintiff, then called upon plaintiff with the box he had designed, said he had an order for making the boxes, and requested the plaintiff to give an estimate for fitting up the insides of the boxes. The defendants, therefore, having adopted the plaintiff's design of box, he (counsel) should submit that Section 35 of the Sale of Goods Act applied. In spite of this the plaintiff still applied to the defendants to know about the order for boxes, and was told it was still in abeyance. The plaintiff gave confirmatory evidence. The registrar said he often had similar disputes before him. Unless it was arranged that there was to be no payment unless the order was placed, a man was entitled to payment for the work put in. Mr. Frischer, of the defendant firm, said his case was that there was no originality whatever in design of plaintiff's sample showcase. The Registrar: The plaintiff does not claim any. Continuing, the defendant said their idea was to get a better-class showcase made of mahogany. They were wanting two types of cases, one for the cheaper-class chemists and one for the better-class chemists. They had never ordered the cases, either from Mr. Cresswell or from the London Fancy Box Co. To charge a sum of £3 3s. was certainly exorbitant, and when the invoice arrived at that price he protested. Asked by the registrar whether he would like to make a box of the kind produced in court for the sum of 5s., the witness said he would not, but there was a hope of doing further business. The registrar, in giving his decision, said that counsel for the plaintiff drew his attention to a Section of the Sale of Goods Act, and he should have held that the defendants had, more or less, taken possession of the sample box made by the plaintiff, and would therefore be responsible. Dealing with the matter from an ordinary business point of view, although the charge of £3 3s. might seem a heavy one, yet when one came to examine the article there was an amount of work done from which he could not say that the price charged was sufficiently high for him to interfere with. If the defendants thought to get away with the costs of the proceedings they should have paid a more reasonable sum into court. Judgment was entered for the plaintiff for the amount claimed, with costs, and a certificate for counsel.

KAILAN MINES.—The Kailan Mining Administration announces that the total output of its mines for the week ended August 28 amounted to 49,873 tons, and the sales to 58,376 tons.

Bankruptcy Reports

Re Ralph Durnford Crawshaw, Clifton Road, Alexandra Park, Middlesex, manufacturing chemist.—The receiving order was made recently on a creditor's petition. The statement of affairs showed liabilities £1,707, and there were no assets. The first meeting of the creditors was held recently at 29 Russell Square, London, W.C.1.

Re Joseph Faraday Chambers, Carnarvon Grove, Gedling, manufacturing chemist.—Application for discharge from bankruptcy was made at the Nottingham Bankruptcy Court on October 21. The official receiver said that the receiving order was made on October 9, 1902 (*C. & D.*, II, 1902, p. 749). A first and final dividend of 9d. in the pound was paid on proofs for £368 14s. 3d. Mr. E. W. Humphreys, for the debtor, asked the judge to exercise a considerable amount of leniency. The discharge was suspended for a year.

Re John Haddock, Whitehall Road, West Bromwich, manufacturing chemist.—The first meeting of creditors was held on October 22 at Birmingham. The statement of affairs showed gross liabilities £1,813 14s. 10d., of which £1,624 17s. 3d. was expected to rank, and there was a deficiency of £1,428 7s. 6d. The debtor attributed his failure to insufficient capital, heavy overhead expenses, and borrowing from moneylenders. It appeared that he formerly assisted his father, who carried on business as a chemist at West Bromwich and Winson Green In 1899 his father sold him the Winson Green business for £150, and the debtor continued it until 1908, when he sold it for £150 and started trading at Walsall Street, West Bromwich. In 1912 he removed to Bull Street, where he continued until 1919, when he sold the concern for £400. In 1922 he commenced a manufacturing chemist's business at 77 Whitehall Road with £100 capital. On the death of his father in 1921 the debtor arranged to take over the management of the latter's business at 79 Whitehall Road, and went to reside there. The manufacturing business had been a failure from the start. He had been aware of his position since June 1923. The matter was left in the hands of the official receiver.

Re Harold Henry McCarthy, 24-26 Holborn, and lately of 80 Bishopsgate, London, E.C., chemist.—The first meeting of creditors was held on October 21 before Mr. E. Parke, official receiver, at the London Bankruptcy Court, a receiving order having been made. The chairman reported that no statement of affairs had been lodged, but the debtor roughly estimated his liabilities at £2,000, and valued his assets at £2,962. Consequently he did not admit insolvency. It appeared from his preliminary examination that from 1902 till 1913 he was in India as assistant manager to a manufacturing chemist, and then returned to England. Early in 1914 he purchased from a Mrs. Mason an Indian export business for £750, *plus* 1 per cent. of the turnover. The business was very successful until the restrictions imposed by war conditions affected his credit. In 1916 the debtor accepted an offer from Lord Rhondda to enter R. Martens & Co., Ltd.; creditors began to press, whereupon R Martens & Co., Ltd., undertook to discharge all his liabilities. It was subsequently found that R. Martens & Co. was insolvent, whereupon a resolution for voluntary liquidation was passed. Since then he had taken part in the promotion of General Sales Corporation, Ltd., and other concerns. He attributed his failure to delay in completing transactions, owing to the present trades disputes. The meeting was adjourned till November 2, and it was intimated on behalf of the debtor that he hoped to pay 20s. in the £ on all debts during the next three months.

Gazette

Bankruptcy Acts

RECEIVING ORDER AND ADJUDICATION

EDGE, S. N. R., 3 Burton Avenue, Withington, and 31 Market Street, Manchester, chemical merchant and agent, under the style of S. Waredge & Co.

New Companies
and Company News

P.C. means Private Company and R.O. Registered Office

T. B. PATCH, LTD. (P.C.).—Capital £500. Objects: To carry on the business of chemists, druggists, drysalters, oil and colour men, etc. The directors are: T. B. Patch, Mrs. B. Patch, and S. Radcliffe. R.O.: 8 Butler Green, Chadderton, Oldham.

COLLINS, REYNOLDS & CO., LTD. (P.C.).—Capital £1,000. Objects: To acquire the business of manufacturers of pharmaceutical specialities carried on by T. Collins and W. E. Reynolds at 4 Summer Hill Terrace, Birmingham. The directors are: T. Collins and W. E. Reynolds.

CARLETONS MEDICAL HALL, LTD. (P.C.).—Capital £1,000. Objects: To take over the business of a pharmaceutical chemist now carried on by Mrs. E. M. Carleton, 11 Dunluce Street, Larne, as "Goodwin G. Carleton." The directors are: Mrs. A. J. McKinty, H. A. N. McKinty, and R. H. Kerr. R.O.: 11 Dunluce Street, Larne, co. Antrim.

CHESHIRE UNITED SALT CO., LTD.—Capital £125,000. Objects: To acquire, work and develop any estate or interest in beds, springs, or other supplies of salt, brine or other substances, to supply rock salt and brine, to manufacture salt, alkali and other chemical products; to sink wells and shafts to execute works for working, obtaining, selling, manufacturing and conveying the above products, etc. R.O.: 9 and 10 Pancras Lane, Queen Street, London, E.C.4.

LEWBART PROPRIETARY, LTD. (P.C.).—Capital £5,000. Objects: To acquire the trade marks "Lewbart" (No. 457733/1925), "Lewbart" (No. 457734/1925), and "Germicident" (No. 445803/1925), and to carry on the business of sanitary engineers, manufacturers of and dealers in sanitary apparatus, fittings, machinery, and appliances, hardware, porcelain, china, earthenware and glass; chemists, druggists, chemical manufacturers, manufacturers of and dealers in deodorants and disinfectants, spirits, oils, and fluids, dealers in proprietary articles, etc. Solicitors: Mayo, Elder & Co., 10 Drapers Gardens, London, E.C.2.

W. & B. MANUFACTURING CO., LTD. (P.C.).—Capital £600. Objects: To manufacture, sell and deal in a cleaning material known as "Ino," to adopt an agreement for the acquisition from R. F. Wall of a licence to manufacture the said cleaning material in England, and to export and sell the same in all parts of the world, except the U.S.A., and to carry on the business of soap boilers, manufacturers of and dealers in all articles and substances used in or for the purpose of manufacturing soap, pharmaceutical, medicinal, chemical, industrial and other preparations, etc. The directors are: R. F. Wall, W. D. Brockman, and E. V. Davidson. R.O.: 4 Old Jewry, London, E.C.2.

T. E. MANN & CO. (1926), LTD.—Capital £5,000. Objects: To acquire the business of glass and emery powder grinders and general merchants, carried on under the style of T. E. Mann & Co., Ltd., at Kelland Road, Plaistow, and known as the East London Emery and Glass Mills, and to carry on the same and the business of pulverisers of rocks, shells, ores, slates, flints, emery, carborundum, silica and slags, manufacturers of emery wheels, cloths and papers, black lead, Brunswick and Berlin black, knife polish, enamels, varnishes, oils, paints, soaps, sodas, washing powder, disinfectants and inks, chemists, druggists, etc. Directors: L. G. B. Harrison, W. H. Cooke, and E. H. Varwell. R.O.: 82-83 Fenchurch Street, London, E.C.

ENGLISH CHEMICALS, LTD.—At a meeting held in London, on October 11, it was resolved that this company be wound up voluntarily. Mr. L. H. Findlay, 10-12 Walbrook, London, E.C.4, was appointed liquidator, and a meeting of creditors will be held at the above address on November 5.

HEPPELLS, LTD., have entered into an arrangement to act for twenty years as sole buying agent for the Egyptian Druggists' Monopoly, in which one of its directors is interested (*C. & D.*, October 23, p. 621). The annual turnover of the Egyptian combine is understood (says the "Financial Times") to exceed £E380,000.

ETABLISSEMENTS POULENC FRÈRES.—The annual balance-sheet presented to the board for the twelve months ending June 30, 1926, showed that the gross profits had increased from 25,795,012 francs in 1924-1925, to 34,441,992 francs in 1925-1926, yielding a total net profit of 12,689,734 francs, against 9,975,095 francs in the preceding year. For distribution the sum of 9,000,000 francs is available, and the board proposes to pay a dividend of 60 francs (last year, 50 francs) per share on the total capital of 60,000,000 francs.

BRITISH GLASS INDUSTRIES, LTD, which in 1924 was reconstructed, entailing a cut in the capital, is again to be reorganised in accord with the intimation given by the chairman at the annual meeting in January last (*C. & D.*, January 30, p. 150). The scheme to be submitted at extraordinary meetings on October 29 and November 15 provides for the winding up of the company and the formation of a new company to be named Canning Town Glass Works (1926), with a capital of £400,002, divided into 10,666,720 shares of 9d. each, and of these 3,699,709 (equivalent to £138,739) are to be distributed to present shareholders at the rate of one new share for every share of 5s. held. The balance—namely, 5,866,667 shares (equivalent to £220,000)—will belong as to 5,800,000 shares to the holders of debenture stock issued by the B.G.I. Consolidated and as to 66,667 shares to the B.G.I. Consolidated.

BRITISH CHEMICAL COMPANIES AMALGAMATE.—An important amalgamation of British chemical companies is announced, comprising Brunner, Mond & Co., Ltd., British Dyestuffs Corporation, Ltd., Nobel Industries, Ltd., and the United Alkali Co., Ltd. A new company is to be formed for the purpose of acquiring by exchange the shares of the four companies and co-ordinating and developing their businesses and resources on broad Imperial lines. The boards of the respective companies have passed resolutions agreeing in principle to a scheme, and a further announcement will be made shortly. The issued capital of the four companies is £38,206,000. Sir Alfred Mond is to be the chairman, and Sir Harry McGowan (chairman of Nobel Industries) is to be president and deputy-chairman of the new company. In the course of a lengthy statement by Sir Alfred Mond, it is stated that "the formation of great combinations such as the I.G., the Steel Trust, and similar combinations in Germany and other parts of the Continent, the existence of great chemical groups, such as the Allied Chemical of New York, and Du Ponts, and other great combinations in America, has forced the leaders of the chemical industry in this country to consider the relative position of their individual concerns and of the industry as a whole. After very careful consideration of all the relative circumstances, they have come to the conclusion that the time has arrived for the British and Imperial chemical industry to endeavour to form equally a united front. As strong as the units of the combination undoubtedly are and capable of operating in the future, as in the past, with profit to their shareholders and with benefit to the country, it was felt that by union still greater efficiency, both commercially and technically, could be obtained by the development of existing and the creation of new chemical industries, with advantages of saving any unnecessary expenditure of capital by duplication and overlapping. It is not intended to destroy the identity or the autonomy of the individual units composing the new company to be formed. The boards of these companies will continue to operate the respective industries with which they are most intimately acquainted. The board of the new company will form a supervising and connecting link in finance and policy, in exchange of knowledge and information, and will enable the British chemical industry to deal with similar large groups in other countries on terms of equality; enable them to speak with a united voice, and, instead of leaving it to individual units to make arrangements for the world's competitive conditions as best they can, will give them all the authority and prestige and advantages of a great combination."

Pharmaceutical Society
of Northern Ireland

Council Meeting

THE monthly meeting of the Council of the Pharmaceutical Society of Northern Ireland was held on October 15, the President (Mr. Horatio Todd, J.P.) in the chair. There were present: Messrs. Fred Storey (Vice-President), T. W. McMullan, M.P., J. E. Connor, J.P., A. C. McBride, J.P., Huston Lancashire, J.P., H. Pring, J.P., S. S. Badger, J.P., A Wilson, J. C. Culbert, Jas. Dundee, S. Suffern, W. J. Hardy, W. S. Taylor, W. J. Rankin, W. E. Wilson, John Maxwell, Joseph Moffet, Professor Small, Dr. S. E. A. Acheson and Dr. V. Fielden. Mr. David Kirkpatrick (secretary) and Professor Wren, of the Belfast College of Technology, were in attendance.

THE LATE MR. O'NEILL

At the outset the PRESIDENT referred in sympathetic terms to the loss the Council had sustained by the death of Mr. J. E. O'Neill, J.P., and moved that a letter of condolence be sent to the widow, and that an expression of the Council's appreciation of his services be placed on the minutes.

Mr. FRED STOREY seconded, and Mr. Lancashire, Mr. Rankin and Mr. Badger joined in the tribute. The resolution was passed in silence.

THE RECENT ELECTIONS

The PRESIDENT congratulated Messrs. Connor, Dundee, Maxwell and Hardy on their re-election to the Council. They had done very good work during the year, and he personally was delighted to see them back. He wished also to thank the secretary for his valuable assistance during the year.

Mr. STOREY added a word of congratulation to the successful candidates, and Mr. CONNOR, on their behalf, returned thanks.

ELECTION OF OFFICERS

Mr. PRING proposed the re-election of Mr. Todd as President for the ensuing year. No better President could have been found for a new Society working under great difficulties, and no man could have devoted his time more thoroughly to the interests of the Society.

Mr. CULBERT seconded the motion, and Mr. STOREY, supporting, said the members would never know the work Mr. Todd had done for the Society. He had made it a success, and the Government was well satisfied with the success of the Society for the first year. The motion was passed by acclamation, and Mr. Todd in reply referred to the great help given him by the Vice-President, secretary and the trade Press. Every member in the Council had worked well, and the Council and Committee meetings had been exceptionally well attended.

Mr. RANKIN moved the re-election of Mr. Storey as Vice-President, and Mr. SUFFERN seconded the motion.

Mr. HARDY said he was sorry to strike a note of disunion. It was the custom of the old Society to have a countryman in one of the offices. He would not like it to go forth this was a Belfast Society. Mr. Storey had done yeoman work for the Society, and especially for the chemists' and druggists' section. By electing Mr. Storey they perpetuated seven druggists in the Society, which was not the intention of the Act, for when he became Vice-President he was no longer one of the six druggists' representatives.

Mr. SUFFERN: Is that a fact?

The PRESIDENT: I believe that is the legal opinion.

Dr. ACHESON: It distinctly states in the Act the first Council.

The PRESIDENT: Is it not compulsory to elect a druggist if Mr. Storey becomes Vice-President?

Mr. SUFFERN: Supposing they do not elect one?

Mr. HARDY moved the election of Mr. A. C. McBride (Armagh).

Mr. TAYLOR seconded, observing that there was a feeling the country should have one of the positions.

Mr. W. E. WILSON and Mr. MOFFET urged the claims of Mr. Storey.

The PRESIDENT said the country members were very much against having the Society governed by pharmaceutical chemists and registered druggists in Belfast. He was not going to say anything against Mr. Storey or Mr McBride.

Mr. RANKIN, while agreeing with country members' representations, thought an exception might be made this year in favour of Mr. Storey. He appealed for the withdrawal of the name of Mr. McBride.

Mr. DUNDEE said the old members of the Council were re-elected, in spite of the circular sent out by a section of the druggists' organisation.

Mr. STOREY: There was no circular sent out from the druggists' organisation.

Mr. DUNDEE: It was thoroughly discussed then.

Mr. STOREY warmly contradicted Mr. Dundee's assertion. The Chemists' and Druggists' Society had nothing to do with the attack on Mr. Kirkpatrick. Any discussion there was on the election was at a very early stage, long before the other candidates were nominated.

On a poll there voted for Mr. McBride: The President, Mr. Pring, Mr. Connor, Mr. Hardy, Mr. Culbert, Mr. Dundee, Mr. A. Wilson, Mr. Taylor, Mr. Badger, Mr. Lancashire, Dr. Fielden, and Mr. Maxwell (12). For Mr. Storey: Mr. Rankin, Mr. McMullan, Mr. Suffern, Mr. W. E. Wilson, Mr. Moffet, and Dr. Acheson (6). Mr. Storey, Mr. McBride, and Professor Small did not vote.

The PRESIDENT declared Mr. McBride elected.

Mr. MCBRIDE, in returning thanks, said the pressure of pharmaceutical claims was such that he was sorry he could not vote for Mr. Storey. He was sorry there had been dissension.

Mr. STOREY, in congratulating Mr. McBride, said he did not regret one hour given to the Society, but would now have more time to attend to his own business. He wished the President and Vice-President every success in the coming year. (Applause.)

On the motion of Mr. STOREY, seconded by Mr. W. E. WILSON, Mr. Jas. Dundee was unanimously re-elected treasurer.

EDUCATION COMMITTEE

The secretary read the minutes of the Education Committee of September 24, which contained the following:—

An application was read from the Principal of the Municipal College of Technology, Belfast, asking for recognition by the Council as an institution in which pharmaceutical students may attend approved courses of instruction for the Society's examination. It was recommended that full recognition be given to this Institution. An application was read from the Principal of the Municipal Technical Schools, Londonderry, for recognition of approved courses in botany, chemistry, physics, and business methods. It was recommended that provisional recognition be granted for the subjects in Part 1 of Appendix 5 (a), and that Professor Small, Messrs. S. S. Badger, and J. Maxwell should inspect the Schools on October 5, 1926, and give a report. An application was read from the Principal of the Municipal Technical School, Portadown, for recognition of approved courses in the subjects of Part 1 (botany, chemistry, physics, and business methods) of Appendix 5 (a). It was recommended that provisional recognition be granted for those subjects, and that Professor Small, Messrs. A. C. McBride, J.P., and J. E. Connor, J.P., should inspect the School on Wednesday, September 29, 1926, at 12 o'clock (noon), and that the travelling expenses incurred by these members be paid by the Society.

The secretary also reported that the Special Board of Examiners had met on October 13 and agreed that if a candidate had served an apprenticeship of less than two years before June 9, 1925, they required him to sit to obtain the Belfast Queen's University Pharmaceutical Preliminary Examination or any other examination which might be reasonably regarded by the Special Board of Examiners as equivalent.

The minutes were adopted.

TRAINING OF APPRENTICES

Professor SMALL reported on the arrangements in progress for classes in a number of provincial centres. Arrangements had been or were being made in various centres, but nothing had yet been done for Omagh, Downpatrick and Enniskillen.

Mr. CONNOR asked what would be done with outlying districts like Crossmaglen, Kilkeel, Castlewellan and Downpatrick, which had little communication with Newry.

Mr. STOREY said students from Newcastle and Castlewellan could go to Downpatrick.

Mr. CONNOR asked what were students in Crossmaglen, for instance, to do.

Professor SMALL moved that provisional recognition be given Magherafelt, Lurgan, Coleraine, Larne and Newry. Portadown, Londonderry and Ballymena were already recognised.

Mr. HARDY seconded the motion, which was agreed to.

The PRESIDENT said they could not do much for small places which had no technical schools. A certain amount of hardship was inevitable in a few cases. If facilities were not there they could not make facilities. A question arose as to facilities in Armagh, and Mr. McBRIDE said that arrangements had been made by which the boys there would go to Portadown. Special 'bus terms had been arranged. The boys were in a better position now than before, because they could take out Part I during their apprenticeship.

The PRESIDENT said the Council did not intend to recognise any country technical schools for pharmacy in Part II.

Mr. TAYLOR said the country apprentices thought they had been let down.

The PRESIDENT: They are no worse off than ever they were.

Mr. TAYLOR: This 385 hours has upset them.

The PRESIDENT: There are no facilities in Enniskillen. If the technical schools do not help us along we cannot help it.

Mr. LANCASHIRE thought that the outside places should get special attention, and after further discussion it was agreed that the deputation which is to wait on the Ministry of Education should include this matter in its purview to see if funds for equipment of schools could be provided for outlying centres.

The PRESIDENT said the Council could not do everything. It was up to the employer to help the boys to get their classes.

LIBRARY GIFTS

The secretary intimated the receipt of a copy of Southall's Organic Materia Medica from Southall Brothers & Barclay, Ltd., and also, per Mr. S. Hogg, the receipt of Stevens and Lucas's "Practical Pharmacy" from John Bell, Hills & Lucas, Ltd., for the Society's library.

EXAMINERS

Mr. McBRIDE moved, and Mr. HARDY seconded: That the resolution passed by the Council on May 21, 1926, concerning the appointment of one examiner for botany and pharmacognosy be rescinded, and that one examiner be appointed in botany and another in pharmacognosy. The resolution, he said, was formal.

Mr. A. WILSON thought one man could do the work. He did not see the force of it.

Dr. ACHESON said that this was only a notice of motion, and could not in his view be discussed till next meeting.

The PRESIDENT agreed.

The SECRETARY announced that the Home Office had approved of the examiners appointed for the next examination.

A notice of motion in the name of Mr. James Dundee—"That no person shall be eligible to become a member or an associate of the Society unless he or she be actively engaged in the business in Northern Ireland"—was withdrawn for the present.

THANKS TO MR. STOREY

Mr. TAYLOR moved a vote of thanks to Mr. Storey for his services as Vice-President. He had done splendid work, and in following him Mr. McBride had a difficult task.

Mr. BADGER, in seconding, said he had voted against Mr. Storey's re-election, not on personal grounds, but because he wished to see the country men getting a show. The vote was passed by acclamation.

Mr. STOREY, in reply, said he had no animosity. The country men had a right, of course, to be recognised, but whether the procedure that had been adopted would meet with the approval of all was another matter. He wished the President and Vice-President a successful year of office. (Applause.)

The Chemical Society

THE first meeting of the 1926-1927 session of the Chemical Society was held on October 21 in Burlington House, Piccadilly, W.1, Dr. A. Scott, F.R.S., Vice-President, in the chair. In the first paper presented to the meeting, read by Dr. H. J. Plenderleith (with Mr. A. Chaston Chapman) entitled *Examination of an Ancient Egyptian (Tutankhamen) Cosmetic*, the authors gave a *résumé* of an analysis of a cosmetic found in 1920 in the tomb of Tutankhamen. A slide was shown of the alabaster container, which had remained hermetically closed with the lid of the jar fitting tightly for 3,300 years. The cosmetic itself consisted of a sticky, dark brown heterogeneous mass, with a very faint aroma of coconut oil. It was found to contain no nitrogen or sulphur. The fatty matter, soluble in light petroleum and ether, amounted to 59.1 per cent.; the total fatty matter to 87.7 per cent.; iodine value, 4.5 per cent.; matter soluble in water but not in the other solvents, 4.7 per cent.; loss on drying at 100° C., 2.3 per cent.; glycerin, free and combined, 4.8 per cent.; ash, 2 per cent. The acid value ascertained from a selective extraction of the soluble matter was found to be 252.6. A careful examination of the fatty matter revealed only traces of unsaponifiable matter, showing that no wax was present. The results, in the authors' opinion, did not permit any definite conclusions as to whether the fats present were of animal or vegetable origin, but they expressed the view that the cosmetic consisted of 90 per cent. of a neutral animal fat and 10 per cent. of resinous balsam, the odour of coconut being attributable to oxidation changes in the course of years. The calcium salts which were found resulted from the action of the fatty acids on the walls of the container. Professor H. V. A. Briscoe (with Mr. P. L. Robinson and Mr. H. C. Smith) presented a communication on *The Density of Boron Trichloride, and the Suspected Variation in the Atomic Weight of Boron.* The object of the authors' investigations was to throw light on the apparent differences in the atomic weight of boron obtained from different sources. They used for this work the method of determining the density of liquids by means of calibrated glass floats, the results of this method making it possible to infer the relative atomic weights. Specimens of boron trichloride prepared from borax originating in Asia Minor, California and Tuscany were purified by a series of distillations. With the purified materials 160 determinations of their flotation densities were carried out in a special apparatus, and the atomic weights calculated from these determinations. In these results the agreement was quite good. Summarising their results, the authors stated that these distinctly established that the atomic weight of boron originating from Californian samples is greater than that of the boron present in its compounds originating in Asia Minor. Copper or brass exposed to the winter air tarnishes as a result of the action of traces of sulphur in the atmosphere. During the summer tarnishing ceases and the surface of the metal shows no appreciable change in appearance. Nevertheless, as Dr. W. H. J. Vernon pointed out in his paper on *The Formation of Protective Oxide Films on Copper and Brass by Exposure to Air at Various Temperatures*, a change does take place, since copper exposed for a prolonged period to the air in summer was found to be immune to tarnishing in winter. The same protective action was observed to occur if the copper is heated, and the author discussed the effects of heating copper foil to various temperatures: 55°, 75°, 100°, and 150° C. In conclusion, the author discussed the thickness of the film of cuprous oxide produced by heating copper at various temperatures, and the resultant protective action against tarnishing. *The Action of Antimony Trichloride upon some Diazotised Diamines* was the subject of Dr. W. H. Gray's paper, in which the author discussed the behaviour and constitution of the compounds discovered by May. The author dealt particularly with the structure of these compounds and their derivatives prepared by him. Dr. E. H. Farmer and Mr. J. Ross presented a communication on *The Formation and Stability of Associated Alicyclic Systems. Part III. The Change from "meta-" to "para-" Bridged Rings*, which constituted a continuation of previous work on unsaturated cyclo-hexen from additive compounds, particularly with cyano-acetic acid.

Festivities

Ipswich Chemists' Dinner

MEMBERS of the Ipswich and Suffolk Branch of the Pharmaceutical Society began their winter programme on October 20 with a dinner at the Crown and Anchor Hotel, which was attended by a company of about 50. The function was presided over by Mr. C. Smalley (chairman of the branch), who submitted "The Pharmaceutical Society of Great Britain." There was no denying that pharmacy, compared with pharmacy of, say, twenty years ago, had undergone considerable improvement. One point he wished specially to emphasise. No matter what one's craft or calling, there had to be one central body, to which one might look for guidance. In responding, Mr. J. C. Wiggin said that some of the older men, he knew, felt that they were unnecessarily tied by the Society's restrictions. He asked them to remember, however, that, if the Council did not suit them, it was entirely their own fault. But his own experience was that the members of the Council of the Pharmaceutical Society were men of eminent ability. Dr. J. F. C. Hossack proposed "The Ipswich and Suffolk Branch of the Pharmaceutical Society," and Mr. G. Grave replied to the toast, giving details of the formation of the branch of the Society. It was gratifying, he said, to see such a splendid muster at the first function of this nature, and he thanked the members for their support. The final toast of the evening was "The Visitors," which was proposed by Mr. G. W. Hales, and responded to by Mr. Oliver Jones.

Manchester Chemists' Dinner

THE annual dinner of the Manchester Pharmaceutical Association took place at the Midland Hotel on October 20, when about eighty members and friends were present. The guests who attended were the Lord Mayor (Councillor Miles Mitchell), Mr. J. Rutherford Hill, Professor F. E. Weiss, M.Sc., D.Sc., Professor Wild, Sir Joseph Nall, M.P., and Alderman Woollam. The President (Mr. J. H. Franklin) and Mrs. Franklin received the company, and afterwards called upon the Vice-President (Councillor F. W. Bates, J.P.) to propose "The Municipality of Manchester and the University." The Lord Mayor responded. Professor F. E. Weiss, M.Sc., D.Sc., in responding to the second part of the toast, paid a tribute to the late Herman Woolley, who was treasurer for so many years at the University, and referred to the prolonged course of study now required in pharmacy, which, he said, was all to the good. He referred also to the great service rendered by the late Professor Leech, who organised the pharmaceutical department at the University, and which had been ably carried on by Professor R. B. Wild, who with the assistance of Mr. James Grier, M.Sc., had a pharmaceutical department of which they were proud. Mr. E. H. Simmons, in proposing "The Houses of Parliament," said he was hopeful that before long we should have direct representation in the House of Commons. Sir Joseph Nall, M.P., who replied, said that, unfortunately, nowadays legislation was governed by regulation. The great gathering now being held in London, which was being attended by all the Imperial leaders of the Empire, was in his opinion not conducive to proper and efficient legislation such as was necessary in their profession. Legislation as a panacea was not to the good of the community. Bills were hurried through Parliament on a skeleton basis, and then a horde of officials set about to fill in the details. This was not going to lead to proper legislation or a condition likely to give satisfaction. Local government is capable of dealing with local affairs. It should not be the duty of the state to nurse the individuals of this country, as it was doing, from the cradle to the grave. The individual should be forced to rely more upon himself. The toast of "The Pharmaceutical Society of Great Britain" was proposed by the President, who said he could not recall any society that had so many arduous duties and functions to perform. In educational matters they could congratulate the Pharmaceutical Society. The Benevolent Fund, which was under the capable chairmanship of Mr. E. H. Simmons, was an object deserving of everybody's support. Mr. J. Rutherford Hill, in his reply to the toast, said although most people looked upon him as a Scot, he was actually a Lancashire man. He was particularly pleased to meet his old friend Mr. James Grier, under whose able guidance the Pharmaceutical Department at the University had made wonderful progress. He was not ashamed of styling himself an optimist. He believed in the Pharmaceutical Society, of which he was proud. It was founded by public-spirited and far-seing men. He was also pleased to hear Sir Joseph Nall denounce the mechanical, paralysing legislative measures which had been foisted upon chemists. Pharmacy, which was the most burdensome, was the least remunerative, if one took into consideration the public spirit and the service given by the Pharmaceutical Society in the interests of the public. In between the speeches the company was entertained by the following artistes: Miss Betty Tattersall, Mr. Harold Jones, Mr. H. A. Palmer (conjuror and entertainer).

Retail Pharmacists' Union

Birmingham.—The annual general meeting of the Branch was held on October 18. The annual report and accounts, as circulated, were adopted. Eleven members had been nominated for the committee, but Mr. H. Astle desiring to withdraw, the following were declared to constitute the committee for the current year:—Messrs. J. W. Atkinson, E. C. Bennison, H. Buckingham, T. H. Foden, G. Knowles, H. H. Marshall, J. Poole, H. Rigg, W. Shakespear and C. V. Thompson. The following subcommittees were elected:—*Minimum Prices:* Messrs. Atkinson, Callow, Marshall, Rigg, Thompson and Whittock; *Unprofitable Proprietaries:* Messrs. Atkinson, Knowles, Marshall and Rigg; *Hospital Out-Patients' Dispensing:* Messrs. Buckingham, Mann and Rigg.

Devon.—The annual meeting of the Devon Branch was held recently, Mr. F. E. Battershill presiding, at which the officers and committee were elected as follows:—*Chairman*, Mr. W. R. B. Arnold; *Vice-Chairman*, Mr. G. A. Clarke; *Treasurer*, Mr. S. S. Brown; *Secretary*, Mr. F. Southerden; *Auditor*, Mr. D. Reid; *Committee*, Messrs. F. E. Battershill, G. F. Fisher, M. T. Foster, W. E. Hollows, F. March, J. E. Calkin, A. C. Milton, P. F. Rowsell, and J. H. Scott.

Ipswich.—The quarterly meeting of the East Anglian Federation and Group Executive was held recently, the President (Mr. Bayley) in the chair. Mr. A. E. Young, Leicester, Chairman of the R.P.U. Executive, gave an interesting address on the *Organisation and Regulation of Pharmacy at Home and Abroad*, comparing the conditions existent in this country with those in force in other countries. A collection for the Orphans' Fund realised 25s., and the next meeting was arranged to take place at Norwich in January 1927.

ANTIMONY TRADE IN YUNNAN.—After a long spell of inactivity, the furnaces at Chihtsun were put into commission again for the smelting of antimony ore, and 8,469 piculs of antimony regulus, valued at Hk. tls. 111,526, left the province for the United States, says the Mengtsz Commissioner of Customs' report for 1925.

CANANGA OIL, which resembles the ylang-ylang produced in the Philippines, is prepared from the flowers of *Cananga odorata*, by steam distillation in the Dutch East Indies (says an American consular report). From 350 to 400 kilos of the flowers yield, when properly prepared, from 6 to 7 kilos of oil of superior quality and 1.75 kilo of oil of inferior quality. It is expected that with improved methods of distillation, oil of a good quality as is prepared in the Philippines will be produced.

A SLOW PROCESS.—A correspondent (25/10) sends us the following cutting from the "Sunday Times" of October 22, 1826:—"Medical men are now establishing a plan to relinquish the dispensing of medicine, by being remunerated solely for their attendance, and leaving the patients to send their prescriptions to a chemist to be prepared."—Our correspondent adds that the recognition of the title was completely established—100 years ago; but the establishment of the "plan" was still incomplete—100 years later.

Recapturing Lost Trade

IV. Ladies' and Babies' Requisites

THERE are many women proprietors of pharmacies who can and should make a special effort to capture the trade of women. Even where women assistants are employed in men-owned pharmacies the attempt to get a greater share of the women's trade should be made. The hairdresser, the beauty specialist, the draper, the fancy shop proprietor and the grocer are all making an inroad on this class of business. Many is the chemist, both male and female, who labours under the fond but foolish delusion that if a woman needs to buy anything that a pharmacist usually sells, for herself or her baby, either as an aid to beauty, for the toilet, for infant feeding or the ordinary comfort of life, she goes first to the pharmacy. So far as medicinal requirements are concerned, perhaps she does; but business life, for most chemists, is made up of the sale of many other things than those that are purely medicinal. For all the other things she first tries the draper, the stores where nothing costs more than 6d., or the grocer—whichever shop she happens to be in when she thinks of it. The thought may be inspired by the article being displayed. If she is prepared to spend an unlimited amount, the beauty specialist (especially in London and the larger cities) or the hairdresser claims her. The hairdresser has always been a competitor, so far as men's business was concerned; but now that women visit the hairdressing establishment weekly, or, at least, fortnightly, he or she must sell something besides service, so that tooth-paste, powder, hair brushes, combs, toilet and face powders, creams of all kinds, perfumes and similar goods are now a permanent part of his or her stock, and there are opportunities for selling the same such as few chemists possess.

Women of all ranks and grades of society go there, and the amount of their purchases is astonishing. Many hairdressers cater for shop-girls by having extra staff at meal-times. Others lay themselves out to serve those with more time to spare. The writer was in such a shop recently when a lady's maid came in. She purchased, for her mistress, a tablet of soap at 9d. and a jar of a much-advertised cream at 1s.; but for her own use she bought a tablet of soap at 2s. 6d., a jar of day cream and one of night cream at 4s. 6d. and 2s. 9d. respectively, and a box of complexion powder at 4s. 6d., her own purchases, as will be seen, amounting to 14s. 3d. A few such customers each day would make a pleasant addition to the profit side of the year's accounts of most chemists. The question is, how is this "woman business" to be obtained by the woman pharmacist or the women's department of the ordinary pharmacy?

THE TOILET DEPARTMENT

First of all have some woman member of the staff (or the woman proprietor herself) become proficient and skilful in dealing with 'aids to beauty," toilet hints, and the like. If possible, issue a woman's magazine. This might be an impossibility for the individual pharmacist; but a group of chemists, say one in each of fifty towns, or a firm of chemists' printers, or even some soap or perfumery house, could do this very successfully. Then advertise in the pages of the magazine, in the windows of the pharmacy and on the counter the fact that "A woman knows a woman's need." Let your expert demonstrate that she has the knowledge, skill and experience to tackle efficiently all that a woman can ask of a pharmacist. It might necessitate a course in beauty culture, but the return would amply repay for the expenditure of time and money. The writer knows one pharmacy in which a lady assistant took up manicure work with excellent results. The increase in the sales of manicure sets, cuticle creams and solvent, orange sticks, cuticle scissors and similar articles was surprising.

BABIES' WELFARE DEPARTMENT

In order to make a baby department a real success the woman in charge of it must be well up in the subject. She must be able to advise on foods, the making of barley water, gruel and diet for invalids, the articles required before baby's arrival, baby's toilet and dress, and the thousand and one things that crop up where a baby is expected or has just arrived. The great difficulty is to let the prospective customer know of this service at her disposal. A striking window with the legend in block capitals, "EVERYTHING FOR HIS MAJESTY THE BABY," containing all the things a chemist sells that are required for babies, is a good introduction. At one side might be a table containing an accouchement set and other things required by the mother. A suitable centrepiece might be a doll dressed as a king in royal robes, wearing a crown. A suitable letter should be sent to the medical practitioners in the district, or a personal visit might be paid. Be prepared to weigh babies and do it cheerfully, making no charge. Sometimes it seems that circular letters are played out. Anyone who has had a notice in "The Times" of a birth, marriage, or death will have received shoals of letters—and sometimes these are followed up, in case of a birth, with birthday letters. Perhaps letters sent to the newly-arrived baby in your own district, taken from the list in the local paper, are the most useful. The following is a suggestion:—

WELCOME, LITTLE STRANGER,—

Hearty congratulations upon your safe arrival. You have come out of the everywhere into here, but you have chosen your home and your parents wisely. We shall be glad to weigh you whenever your mother or nurse desires. If you cannot come to us for a week or two we will gladly send our weighing machine to your home. Will you accept the enclosed box of antiseptic dusting powder with our good wishes for a long, happy and useful life?

Yours sincerely,
YOUR CHEMIST.

The handing over of this department to a woman assistant in one pharmacy resulted in the average order for Southall's specialities being three gross instead of three dozen, as well as a general increase in sales of many other surgical requisites. That pharmacy sold three or four accouchement sets within the first three months of the change, whereas not one had been sold in the previous five years. Now, the local doctors send mothers there for advice on baby foods, etc. Have an inquiry made in your own district as to the sales of these lines, and you will see that someone other than the pharmacist is selling them. They are within the scope of the legitimate trade of the pharmacist; and if he or she will but stir before it is too late they can again be sold by the pharmacist, especially the woman. Keep a list of reliable nurses, and be in a position to help both doctors and patients to obtain nurses when required. You also do a good turn to the nurses, which is never forgotten.

Recent Patents

Abstracts of specifications of recently-granted patents for inventions. The complete specification (1s. each including postage) of any British patent can be obtained from the Patent Office, 25 Southampton Buildings, London, W.C.2, on quoting the name of the patentee and the number of the patent.

Antiseptic Material.—An antiseptic and deodorising product, consisting of zinc sulphophenate, another zinc salt and an acetate. (G. E. E. Crosnier. 258,058.)

Moth Proofing Composition.—A composition for proofing woollens against moths, containing a solution of sodium oleate, gelatin, sodium fluoride, and an organic acid. (The Larvex Corporation. 236,218.)

Moth Proofing Composition.—A process for protecting woollen fabrics against moths, consisting in applying a composition containing sodium fluoride, sodium sulphate, and an organic acid, or sodium silico-fluoride and alum. (The Larvex Corporation. 235,915.)

Bismuth Compounds.—A process for the manufacture of double salts of aliphatic hydroxy-polybasic acids with bismuth and organic bases, e.g., the combination of bismuthyl tartaric acid with piperazine. (R. W. E. Stickings, and May & Baker, Ltd. 258,641.)

Disinfectant.—A process for the production of a disinfectant, consisting in mixing one or more oils or extracts of the eucalyptus species with an oleaginous ingredient, followed by the addition of an alkaline solution, until the eucalyptus oil content reaches 37 per cent. of the whole. (G. G. Gordon. 258,678.)

Coca Leaves

THE structural variation in coca leaves from various species of *Erythroxylon* is the subject of a lengthy dissertation by C. W. Ballard in the "Journal of the American Pharmaceutical Association" for May (p. 343), June, and July. It is stated that the commercial titles for coca, such as Bolivian, Truxillo, Huanoco, Ceylon, etc., frequently bear but little relation to botanical origin, In addition, cultivation or lack of cultivation (as with *E. coca*) produces marked changes in leaf character. It is suggested that the following characters may be used with reasonable assurance for purposes of identification :—

1. The presence or absence of arcolæ or lateral lines. 2. The presence or absence of an apiculus. 3. The texture of the lamina. 4. The form of the leaf. 5. The type of apex. 6. The type of base. 7. The position of the midvein (equilateral or inequilateral).

The salient points are summarised in Table I.

An outstanding feature in the investigation was the histological differences between leaves of different species of *Erythroxylon*. The statement of Greenish that the midvein structures are of diagnostic value is verified, the general arrangement of midvein tissues being constant within 10 mm. of base and about 5 mm. of apex. The following characters can be used for identification :—

1. Presence or absence of papillæ on lower epidermis. 2. Presence or absence of a ridge or crest on upper surface of mid-vein. 3. Presence or absence of sclerenchymatised element in mesophyll and palisade regions. 4. The relative thickness of the upper epidermis. 5. The thickness of the cuticular layer in connection with the upper epidermis. 6. The constancy in form of the palisade cells.

The salient histological characters of the specimens examined are given in Table II.

The following conclusions are formulated. (1) The morphological characters of the leaves of *E. Coca* are greatly influenced by environment; (2) but the histological details are not so greatly effected thereby; (3) escape from cultivation results in modification of leaf character as noted by Rusby; (4) *Erythroxylon Novagranatense* appears to be distinct from *E. Coca* and *E. Truxillense*; (5) contrary to the view of Trimen specimens from Jamaica plants (*E. arcolatum*) are distinct from *E. Novagranatense*. (6) Leaves of a Ceylon-grown plant are substantially identical with *E. Truxillense*. (7) Papillæ occur in several other species than those noted by Hartwich. (8) A crest to midvein may be present in leaves of *E. Truxillense* and in *E. Novagranatense*. (9) "Haya" coca is a form of *E. Coca*. (10) *E. Truxillense*, *E. carthagenense*, and *E. Novagranatense* are all closely related.

TABLE II.—SUMMARY OF HISTOLOGICAL CHARACTERS OF COCA LEAVES

Botanical origin	Average thickness in microns	Height of crest in microns*	Relative thickness in per cent.				Papillæ on under surface	Cuticle on upper surface	Cuticle on lower surface	Branched sclerenchyma in mesophyll
			Upper epidermis	Palisade	Mesophyll	Lower epidermis				
E. Coca (wild)	157	+241	20	20	50	10	+	+	—	—
E. Coca (wild) ..	126	+105	25	16	43	16	+	+	—	—
E. Coca (cult.) ..	157	+105	14	25	45	16	+	+	—	+
E. Coca (Huanuco)	126	+105	16	25	43	16	+	—	—	—
E. subracemosum	230	— 42	20	25	45	10	+	+	—	—
E. pauciflorum ..	195	+ 81	12	28	49	11	—	+	—	+
E. Bangii ..	278	+197	8	34	50	8	—	—	—	+
E. cumanense ..	160	—105	25	30	31	14	+	+	—	—
E. Popayenense	157	+126	20	25	35	20	+	+	—	+
E. areolatum ..	74	+ 53	10	33	43	14	+	—	—	—
E. areolatum ..	149	+ 95	13	30	45	12	+	+	—	—
E. areolatum ..	105	— D	16	40	34	10	+	—	—	+
E. anguifugum ..	155	+ 87	9	25	55	11	—	+	+	—
E. anguifugum ..	250	+ 95	12	25	55	8	—	+	+	—
E. brevipes ..	210	— D	25	30	35	10	—	+	—	—
E. Urbanii ..	295	— D	25	33	34	8	—	+	+	—
E. havenense ..	283	+116	25	25	40	10	+	+	+	—
E. minutifolium	350	— D	16	33	46	5	—	+	+	+
E. alaternifolium	315	— D	16	16	65	3	—	+	—	+
E. obovatum ..	168	— 74	20	20	48	12	+	—	—	—
E. Truxillense ..	138	+ 75	16	25	43	16	+	+	—	—
E. Truxillense ..	105	± 32	20	30	30	20	+	+	—	—
E. Trux. (Ceylon)	100	+ 53	11	20	49	10	+	+	—	—
E. carthagenense	230	+ 95	10	30	50	10	+	+	—	—
E. Pelletierianum	145	+ 53	16	33	41	10	—	+	+	—
E. nitidum ..	84	+ 74	12	20	58	10	—	+	+	—
E. Columbianum	315	+284	8	11	76	5	—	+	+	—
E. Novagranatense	147	+ 53	10	25	51	14	+	+	—	—
E. Novagranatense	84	+105	10	25	53	12	+	+	—	—
E. orinocense ..	105	+105	10	40	40	10	—	+	—	—
E. Spruceanum	158	—116	20	25	41	14	+	+	—	+
E. "Haya" ..	170	+137	20	25	44	11	+	+	—	+
E. wild (unidentified)	210	— 40	16	25	47	12	+	+	—	—

* A distinct crest or midvein is indicated by +. Absence of a distinct crest is indicated by — and figures in connection with this sign represent the general elevation of the upper surface over the midrib. Absence of both crest and general elevation over the midvein is indicated by D, and in these leaves a depression over the midvein was apparent.

TABLE I.—SUMMARY OF MORPHOLOGICAL CHARACTERS OF COCA LEAVES.

Botanical Origin	Form						Apex						Base			Apiculus	Lateral lines	Size			
	Elliptical	Oval	Obovate	Broadly oval	Ovate	Rotund	Acute	Acuminate	Obtuse-rounded	Attenuate	Retuse	Emarginate	Acute	Obtuse-rounded	Cuneate			Length, maximum	Minimum	Width, maximum	Minimum
E. Coca (wild)	+	+					+						+			+	±	60	25	29	12
E. Coca (wild)		+	+						+				+		+	+	±	95	45	35	18
E. Coca (cult.)	+	+	+				+		+				+			+	+	39	24	19	12
E. Coca (cult. Huanuco) ..	+	+	+				+		+				+			+	+	48	22	22	10
E. subracemosum		+					+							+		—	—	30	..	16	..
E. pauciflorum				+				+					+	+		—	—	110	..	45	..
E. Bangii			+						+					+		+	—	75	45	40	21
E. cumanense			+		+		+						+	+		±	—	62	30	29	14
E. popayenense	+	+					+		+				+			±	—	80	..	38	..
E. areolatum			+						+				+			+	+	60	35	32	17
E. areolatum			+	+			+				+		+			+	+	95	44	40	21
E. areolatum		+	+						+				+			±	—	72	46	42	29
E. anguifugum		+			+		+			+				+		±	—	120	58	51	19
E. brevipes		+	+						+				+			±	—	17	14	8	6
E. Urbanii			+						+		+		+			—	—	37	15	20	10
E. havenense	+	+							+				+			+	—	34	19	17	6
E. minutifolium						+			+		+			+		—	—	4	2	4	2
E. alaternifolium		+	+						+		+		+	+		±	—	40	13	24	7
E. obovatum			+						+		+		+			+	—	60	30	26	15
E. Truxillense	+		+				+						+			+	±	60	25	21	13
E. carthagenense			+						+				+			+	+	60	..	30	..
E. Pelletierianum			+						+		+		+			—	—	45	..	21	..
E. nitidum		oblanceolate							+						+	±	—	67	..	19	..
E. Columbianum	+	+					+						+			—	—	85	62	41	27
E. Novagranatense		+	+				+		+				+			+	—	86	40	31	15
E. orinocense				+					+		+			+		—	—	72	72	43	37
E. Spruceanum		+	+				+				+		+	+		+	—	88	70	34	28
E. "Haya"	+	+							+				+	+		+	—	63	33	32	18
E. wild (unidentified)		+							+				+			±	+	117	90	50	35
E. wild (unidentified)	+	+					+		+					+		—	—	63	30	32	14

Pharmaceutical Society
of Great Britain

North British Executive

A MEETING of the Executive of the North British Branch was held at 36 York Place, Edinburgh, on October 13, Mr. W. G. McNab in the chair. Apologies for absence were intimated from Messrs. Dick, Jack, D. G. McKenzie and McVitae. The chairman extended a welcome to Mr. David Harley, who was present for the first time.

DEATH

The CHAIRMAN said he regretted having to report that there had passed away on September 24, in his sixty-seventh year, Mr. David McNay, Kilmarnock, who had been divisional secretary for North Ayrshire for a number of years. He was in his shop, apparently in his usual health, on the evening before he died, and almost the last letter he wrote was an intimation of his willingness to continue as divisional secretary for 1927. Mr. McNay took a great interest both in local and national pharmaceutical affairs, and was also a zealous Churchman and a prominent freemason. Of a quiet and retiring disposition, he willingly and loyally responded to all calls on his services, and he would be greatly missed by a wide circle of friends. The Executive would doubtless desire to extend their sympathy to his widow and daughter, and to record in the minutes a sense of the loss Scottish pharmacy had sustained and their appreciation of his faithful services.

BRITISH PHARMACEUTICAL CONFERENCE

The CHAIRMAN, in reporting on the British Pharmaceutical Conference meetings at Leicester, said that, as in former years, he found the Conference a great success, both from the social point of view and also from the scientific. To his mind the most outstanding feature was the delegates' meeting, at which Mr. Neathercoat read a statement in favour of Parliamentary representation for pharmacists.

Mr. HARLEY, who had also attended the Conference, said he would like to mention that at the delegates' meeting there was also an extremely interesting and suggestive paper by Mr. Simmons on the training of apprentices. There was also a valuable communication on the framing of the British Pharmacopœia by Mr. Skinner, Vice-President of the Pharmaceutical Society.

DIVISIONAL SECRETARIES

It was reported that a list of divisional secretaries for appointment by the Council for 1927 had been prepared, the only changes being: D. W. Nicolson, Kilmarnock, for Ayr (North); R. Gordon Drummond, jun., Falkirk, for Stirling (East); John Skinner, Stirling, for Stirling (West); Alexander Murray, Glasgow, for Glasgow and its suburbs.

EDUCATION AND EXAMINATIONS

The many cases that had been brought forward in connection with the transition from the pre-indenture period to the present time had received careful consideration. The technical difficulty had been got over so far in that the Council recognised the date on which a student passed the necessary examination rather than the date of registration as reasonably complying with the requirements, but it had not been possible to meet cases of persons who had been serving an apprenticeship without having passed any examination at all. It was very unfortunate that either these persons themselves or their employers had ignored all notices and had failed to acquaint themselves with the regulations and put themselves in a position where it was quite impossible to do anything but require them to conform to the regulations.

It was reported that there had still been trouble in regard to the education authorities granting what purported to be Intermediate certificates which were not approved by the Scottish Education Department. Parties presenting such certificates had been advised to apply through the headmaster to the Scottish Education Department for a Day School certificate (higher) which could be accepted, it being understood that students who had taken these education authority certificates would be recommended by the Education Department inspector for a Day School certificate (higher).

A report was made on the education conference convened by the Council and held at Leicester in Conference week. Messrs. Forbes and Harley had attended the conference, at which many points were raised. Mr. Forbes said he desired to emphasise a point on which he spoke at the Leicester Conference meeting. He had a strong feeling that they were not acting fairly to students who had entered on a career which could not in ordinary course be completed prior to the final abandonment of the old scheme and the general imposition of the new scheme in its completeness. His view was that a student who began his career with a view to qualifying as a pharmaceutical chemist was entitled to a guarantee that he would be allowed to complete that career under the conditions which existed when he set out to take the qualification. He knew of no other profession in which the door was closed, as was being done by the Society. It was indicated that, as promised by the Council, the whole question of examinations would come up for review in 1928, and it was agreed to leave it in the hands of the Education Committee to take what steps might be necessary in this connection.

PARLIAMENTARY COMMITTEE

It was reported that the Council had suggested to the Executive that if there were any points in connection with the Departmental Committee on the Pharmacy and Poisons Acts, particularly as affecting Scotland, or in any other respect which the Executive might desire to submit for consideration, the Council would be pleased to have any such communication. As instructed at last Executive meeting, the Parliamentary Committee had considered the matter fully and made certain suggestions. It was pointed out, however, that broadly speaking, and so far as policy and general principles were concerned, it might be said that pharmacy in Great Britain was one and the same, and there was nothing specially Scottish; that it was when detailed schemes or legislative proposals were involved that the differences in Scottish law and procedure and local government and, to some extent, long-established customs, might call for special consideration. The Executive was in full agreement with the policy of the Council of the Society, and in the event of wider issues being raised expressed a hope that they might have a further opportunity of communicating with the Council.

SALE OF LYSOL

It was reported that a distinguished toxicologist had strongly urged that steps should be taken to secure that persons selling lysol should put upon the bottle their name and address. It was thought pharmacists also should be warned as to the need for seeing that all lysol sold by them should bear the name and address of the seller, and that this requirement applied also to other articles which might be described as packed or proprietary articles. It was also reported that the recent decision as to the proper composition of lysol had apparently practically put a stop to the indiscriminate sale of a liquid containing less than 3 per cent. of carbolic acid and its homologues under the misleading name of "lysol."

STRYCHNINE POISONING

The recent prosecution of a person who laid down strychnine poison for the destruction of rats, and thereby, unfortunately, poisoned two valuable dogs, was explained. The person was convicted under the Protection of Animals Act, 1912. Inquiry had been made, and it had been found that the strychnine was sold in strict accordance with the provisions of the Pharmacy Acts to a responsible person for poisoning vermin. This appeared to raise a question of some importance as to the careless distribution of strychnine by a person not qualified to distribute strychnine under the Pharmacy Acts.

POST OFFICE MISTURA LAVANDULÆ COMPOSITA

Inquiries had been received regarding a circular issued to all postmasters instructing the postmasters to have always in hand a 4-oz. bottle of mistura lavandulæ-

composita, to be used under strict supervision and with the approval of the local medical officer. The only preparation known in Scotland under the name "mistura lavandulæ composita" was a preparation included in the Aberdeen Pharmacopœia, which contained chlorodyne, and the local medical officers were unaware of what was meant by the preparation named in the Post Office circular. On inquiry, it had been ascertained from the Secretary to the General Post Office that the preparation had been used for over thirty years in the headquarters medical department without ill effect, and was considered to form a safe and simple alleviative remedy. [The formula was given in the *C. & D.*, October 9, p. 612.—EDITOR.]

GRADUATED GLASS MEASURES

There was submitted a correspondence indicating that the Standards Department of the Board of Trade had refused to verify graduated measures marked at 160 minims, on the ground that that was not a legal denomination. These measures had up till now been regularly verified. The graduation 160 minims was in very common use, and it was a great disadvantage not to have these measures so graduated. The matter had been placed in the hands of the secretary in London, and would probably receive attention in due course. There was a strongly expressed feeling that it was not common sense to be tied up and interfered with by technical objections as to what was or was not "a legal denomination." This newly discovered objection might have wide applications, and it was agreed that the whole matter should be taken up with a view to having the situation put on a better footing.

Examination Results

THE following are the results of the Pharmaceutical Society's examinations held in Edinburgh this month :—

—	No.	Preliminary Scientific				Chemist and Druggist Qualifying			
		Absent	Failed	Referred	Passed	Absent	Failed	Referred	Passed
Entered for whole examination ..	3	1	1	1	0	—	—	—	—
Entered for C. & D., and referred subject in Prelim. Sc. ..	14	—	—	6	8	—	—	2	6
Entered for Prelim. Sc. only	22	4	10	5	3	—	—	—	—
Referred subject in Prel. Sc. only	37	2	—	14	21	—	—	—	—
Entered for C. & D. only..	24	—	—	—	—	1	9	12	20
Referred subject in C. & D.	51	—	—	—	—	—	—	6	45
	169	7	11	26	32	1	9	20	71

Referred in one subject :—Botany, 2; chemistry, 23; physics, 1; pharmacognosy, 1; pharmacy, 16; pharmaceutical chemistry, 2; forensic pharmacy, 1; total, 46.

CHEMIST AND DRUGGIST QUALIFYING EXAMINATION

The following, having satisfied the examiners, have been registered as chemists and druggists :—

Agard, G., Monkseaton
Albrecht, F. G., Kirkwall
Anelay, P. T., Rotherham
Anderson, V. W., Liverpool
Beldon, H., Cleadon
Bolton, W. S., Dingwall
Brown, Janet M., Winchburgh
Browne, E. N., Newcastle-on-Tyne
Bryson, Hilda, Gateshead
Chazan, Isaac, Glasgow
Charleston, W. M., Grangemouth
Cooper, James, Hawick
Copland, J. W., Leith
Cranna, N. A., Lonmay
Crawford, Violet, Paisley
Crichton, E. M., Banchory
Cummings, J. P., Alloa
Davidson, A. J., Brechin
Dobbin, David, Glasgow
Downie, Grace R., Portknockie
Dunn, H. S., Bruton
Fawcett, W. H., Jarrow-on-Tyne
Ferry, C. A., Easington Colliery
Forbes, W. B., Perth
Gamlen, S. A., W. Hartlepool
Gaul, W. J., Glasgow
Gordon, John, Keith
Goudie, J. Gertrude, Leith
Grant, G. F., Troon
Grant, W. W., South Queensferry
Halliday, P. S., Musselburgh
Harrison, J. W., Hartlepool
Hart, T. A., Manchester
Hopkinson, E., Todmorden
Hutton, John, Brechin
Horne, Adelaide A. M., Glasgow
Ingham, J. P. H., Whitley Bay
Inglis, Robert, Glasgow
Jerram, Thomas, Turriff
Kirkup, D. W., Ferryhill Village
Lindsay, John, Carlisle
Maconochie, M. S., Dundee
Macdonald, Margaret R., Inverness
Macpherson, May, Kingussie
Melrose, Isabella C., Greenock
Mitchell, A. D., Dundee
Morgan, Margaret, Kemnay
Ogden, J. E., Bingley
Paterson, J. M., Edinburgh
Peebles, Georgina Thornton
Postgate, I. E., Cockermouth
Poyser, L., Worksop
Pringle, D. E., Edinburgh
Robertson, Edith W., Dundee
Rooke, F. T., Kendal
Rutter, J. W., Winsford
Sanderson, J. H., Gateshead-on-Tyne
Shackleton, W. A., Liverpool
Simpson, J., Edinburgh
Stewart, J. M., Buckie
Tait, David, Thurso
Thomson, R. B., Whitley Bay
Todd, B., Edinburgh
Wallace, A. D., Tain
Young, J., Gateshead-on-Tyne

PRELIMINARY SCIENTIFIC AND CHEMIST AND DRUGGIST QUALIFYING EXAMINATION

The following, having satisfied the examiners, have been registered as chemists and druggists :—

Dent, L. R., Southport
Jeffrey, Janet, Lockerbie
Morrison, Jane M. D., Edinburgh
Reid, A. S., Huntly
Robin, H. M., Edinburgh
Whitfield, C., Leeds

Branch Meetings

Bedford.—A meeting of the Bedfordshire Branch was held at the Swan Hotel, Bedford, on October 21, Mr. J. H. Webb (Luton) presiding. A general outline of the Society's work was given by Mr. H. Antcliffe, Sheffield, who was followed by Mr. L. Moreton Parry, Liverpool. Mr. F. Browne, member of the Society's staff, gave details of the Society's publications.

Birmingham.—The annual general meeting of the Birmingham Branch was held on October 12. Mr. E. C. Bennison in the chair. The annual report and statement of accounts were adopted. Twelve nominations having been received for election of committee, its constitution for the current year was declared to be as follows:—Miss F. H. Finney, Messrs. J. W. Atkinson, E. C. Bennison, H. Berry, J. W. Bland, H. J. Callow, A. E. Harris, E. W. Mann, H. H. Marshall, T. W. Peck, H. Rigg, and M. Smith. A discussion took place on the Departmental Committee's inquiry on the Poisons and Pharmacy Acts, and the following resolution was passed and forwarded to the Pharmaceutical Society:—"That this meeting of the Birmingham and District Branch of the Pharmaceutical Society looks to the Society to make every endeavour not only to preserve the existing privileges of the pharmacist, but also to secure for him the rights with regard to the dispensing of prescriptions to which his training entitles him; and emphasises the opinion that if any change is to be made in the Government Department responsible for the control of pharmacy and the dispensing and sale of poisons the department most naturally qualified for such control is the Ministry of Health."

Bristol.—The opening meeting of the winter session of the Bristol Branch was held at the Cadena Café on October 14, when about 40 members attended. A discussion was held on questions relating to the title of the "Major" examination, registration, and the ethical side of pharmacy. An interesting discussion followed.

Modern Physico-Chemistry
and its Pharmaceutical Applications

By W. A. Whatmough

XLV. Heat a Mode of Motion (or Ethereal Dynamics)—XIII

THE fundamental and interchangeable relationships between the flow of energy in space and the motion of matter is certainly confusing and elusive until one's ideas are simplified by identifying the inertia of matter as due to a state of eddying motion of the ether itself; whereby some portion thereof opposes decrease or increase in the streaming movement of the surrounding medium.

The burden of these articles is that a dynamical balance prevails in and during all natural phenomena, whatever form energy manifestations may take. In other words, there is a combination or mutual interaction between different forms of ethereal movements, producing the various states of vibratory matter and of ethereal radiation. The form of flow of a fluid (e.g., the ether itself) is such (see Article X) that differences must always exist in that circulation which constitutes an energy flow. The maintenance or modification of any particular state of equilibrium requires expenditure of energy, and the amount of work thus being done defines the state in question and the direction of change. Experiments with swinging pendulums, and on the torsion balance, justify the conclusion that inertial mass and gravitational mass are proportional. Einstein proceeds further and bases his theory of gravitation upon a fundamental postulate (called the principle of equivalence) that gravitation and inertia are identical in Nature, and hence are indistinguishable. Article XIII explains the origin of gravitation as arising out of inertia (i.e., "The presence of a body which turns (mass) is a hindrance to the flow of energy (ethereal motion)"). Note that gravitational phenomena can only be explained in the streaming motion of space past itself in another state of motion, and that doing work is simply moving space around, whilst both inertia and gravitation require two types of motion in space. On this conception even gravitation and inertia become conjoint phenomena in the continuous dynamic equilibria of spatial flows. It is the apparent reality of matter and the intangibility of space that has led to all the properties of motion being ascribed to the former, whereas all belong to ether alone (in its various forms of motion).

INERTIA, GRAVITY, AND WEIGHT

Gravity is considered to be a singularity among "forces" in being directional (i.e., it exists *between* two bodies instead of proceeding from one to the other). Other properties associated ordinarily with matter such as electricity, magnetism, light and heat, always show some sort of directional propagation in space (whether these be regarded as stresses in the ether or its actual motion). The behaviour of solids immersed in, and moving through, a liquid medium will help to make more clear the connection between the inertia of the resisting solid and the directional flow of the moving medium; and also the way in which their working *rôles* can be transposed. A metal ball in an inclined tube of increasing diameter provides, by its rise and fall, an accurate means of measuring the rate of flow of liquid through the tube. Equilibrium factors are (*a*) the apparent weight of the ball (which is its excess of density over that of the watery medium); (*b*) the angle of the tube (=gravitational fall, really dependent upon excess density); and (*c*) the area of the passage between the walls of the tube and the surface of the ball. This ball indicates by its rise any increasing flow of fluid, and this continues until the widening of the passages diminishes the velocity of flow past the ball, when it rotates in an equilibrium state at some definite level.

Observe that this condition depends both upon size of the ball and the flow of fluid past it. The ball is held in its new position by displacing the liquid at the same rate as would occur if it were able to fall freely with a velocity equivalent to that of a corresponding (averaged) flow of liquid. It is evident that the ball will be more sensitive to flow the lighter its weight (i.e., the less its difference in density between it and water). On the other hand, its tendency to rotate (owing to differential streaming of liquid past a movable ball and a stationary wall) will increase as it grows more and more "weightless," and its "inertia" then represents work done in overcoming a continual backwash from the twisting sphere.

RESISTANCE AND ITS REVERSIBILITY

The reversal of relationships between motion of a ball and water have been studied by firing spherical shot into water. Now the ball is doing work upon the water. It is found by experiment that for one definite length of path in water the speed at exit is the same fraction of the speed on entry, no matter how great this initial speed. When interpreted mathematically, the result is that the resistance to the passage of the ball is always proportional to the square of its speed, which embodies the simple relationships between displacement and fluid flow which were explained in Article X. The inertia of the "rising" ball and "flying" shot is measured with perfect precision, which would be absolute were it not for that "rotation" which represents so much waste work (in eddying motion which is equivalent to friction or heat, and is represented by vibratory motion of the molecular and ethereal components of the reacting body and fluid). There is an apparently inextricable mixture of concepts of inertia, weight and gravitational attraction in these above effects, but all have their origins in fluid flow. Special forms of linked motions in space lead to a mechanical representation of electrical attraction (=chemical affinity).

Logs floating down stream have already been utilised to picture molecules suspended in streaming ether, and the analogy can now be employed to lead up to an understanding of how an imponderable medium may simulate a ponderable state (and become matter). The spatial distribution of matter (=electron density) was shown in Article XLIV to comprise the capacity factor in energy transformations. Similarly, logs floating down a river can typify free particles (electrons, atoms or molecules) in flowing space. Thus the logs hinder the stream more and more as they become closer together, but so long as water flows freely around the inertia (resistance to flow) is that of the individual log (=gases). When the logs become so close that water can flow between them the motion of one affects the other, and each one no longer retains its individual sensitivity to changing flow, though they are affected as a whole (=liquids), unless the flow separates one or more logs from its neighbours (=evaporation and formation of gases and vapours). Again, a log when pushed along by the water always moves a little slower than the stream (as shown by the ripples alongside), but if the stream suddenly widens out, and consequently the water flow slows down, the log continues on its way at a speed in excess of that of the water (with a corresponding reversal of the stream-lining of ripples). Thus force and resistance just change places.

More apropos still is the motion of eddies in water, which push the flowing stream aside and yet move downstream themselves, which illustrates the result of action and reaction between two states of motion of one and the same fluid (*cf.* Articles XII and XIII). Finally, if the logs jam, or are fastened together (=solids), the stream still flows through the spaces between them, around and over them. If the stream is sufficiently strong and turbulent it may tear some of them away (sublimation) and pile up until the logs are torn apart (liquefaction). In all cases the head of water pressure builds up until inflow and outflow past the logs is again in equilibrium, though with increased intensity, through the available passages. The logs deflect and disturb the stream-line motion of the river, but, though the latter be hindered, the only result is to increase its pressure until the increasing difference restores again a steady state of flow, whether through the interstices of the logs (lattice space of solids, such as crystals), or whether the logs be carried along together, bumping one another about but moving slowly (convection in liquids), or tossed about separately (gases), dependent upon the pace of the stream.

Personalities

MR. HENRY M. LLOYD, J.P., chemist and druggist, Merthyr Tydfil, has been returned unopposed to the Merthyr Town Council.

MR. EDWIN A. PIPER, representative of W. B. Cartwright, Ltd., has removed to Moorland Villa, 428 Aigburth Road, Aigburth, Liverpool.

THE title of emeritus professor has been conferred upon Mr. A. G. Perkin, F.R.S., F.I.C., who till recently was professor of colour chemistry in the University of Leeds.

MR. W. F. YOUNG, chemist and druggist, Mayor of Liskeard, has recently entertained 400 school children at a picture theatre and provided tea for 200 of the town's infants.

MR. F. PEARSE, representative of William Edwards & Sons, druggists' sundriesmen, 14-18 Nile Street, City Road, London, N.1, is removing on October 30 to 248 Cranbrook Road, Ilford.

MR. E. W. BURNITT (chemist and druggist, High Wycombe) and MRS. BURNITT celebrated their silver wedding on October 16. Mr. Burnitt settled in the town shortly after his marriage.

MR. J. CALVERLEY, chemist and druggist, Leeds, who was educated at Keighley Trade and Grammar School, has presented the school with £100 for the endowment of a prize for the best student of the year in chemistry.

MR. J. M. G. FANN, B.A., son of Mr. C. M. Fann, Bell's Pharmacy, 56 York Road, London, S.E.1, has been appointed to the Indian Civil Service as the result of open competitive examination held in August. Mr. Fann was educated at Latymer School, Hammersmith, and Pembroke College, Cambridge.

MR. W. ADAMSON, chemist and druggist, Southall, when visiting a neighbouring business house, on October 14, opened a door which, he thought, led to another room on the same level, but which was the entrance to the basement. Mr. Adamson fell to the bottom of a flight of stairs, fortunately escaping with a severe shaking.

ON the completion of fifty years' service with Howards & Sons, Ltd., Ilford, Messrs. George Lewis, H. Clark, and J. Burrell have each received a presentation from the directors, who have wished them many years of continued activity. It is interesting to note that these gentlemen have worked under four generations of the Howard family, beginning with the late John Eliot Howard, F.R.S., the eminent quinologist.

COUNCILLOR LESLIE K. OSMOND, J.P., the Mayor-elect of Grimsby, is managing director of Osmond & Son, Ltd., manufacturing chemists. Mr. Osmond is also a director of various associated companies in Australia, New Zealand, Holland, Denmark, and East Africa. He is keenly interested in public welfare, and among the numerous offices he holds are the chairmanship of the local guardians, membership of the Lindsey County Council, and of the Grimsby Rural District Council. He has recently been elected chairman of the new assessment committee for Grimsby.

MR. A. T. WEBB, the newly appointed treasurer of the Proprietary Articles Trade Association, is managing director of May, Roberts & Co., Ltd., the well-known London sundries house (which has branches in Liverpool and Dublin). Mr. Webb, who is a native of Chesham, joined the staff of May, Roberts & Co. in 1895, and rose to the position he now holds. He was appointed a director in 1909, succeeded Mr. Samuel Roberts as the company's representative on the wholesale section of the Council of the P.A.T.A., and was first elected to membership of the Executive Committee in 1919. In this capacity, and as a member of the wholesale section and of the propaganda committee, Mr. Webb has rendered valuable services to the Association. Mr. Webb is prominently identified with the social life of Hertford, where he resides, and is President of the Christ Church Lads' Club.

Births

Notices for insertion in this column must be properly authenticated.

CROFT.—At Tuffley Nursing Home, on October 16, Lallie, the wife of Wesley Croft, chemist and druggist, The Pharmacy, High Street, Gloucester, of a daughter.

Marriages

DAVIDSON—CARTER.—At St. Giles's Cathedral, Edinburgh, on October 23, George Graham Davidson, chemist and druggist (Davidson & Co., manufacturing chemists, 7, Lothian Street), to Janette R. Carter, B. Comm.

GAMMIE—GILLETT.—At St. Andrews' Church, Ashton-on-Ribble, Preston, on October 18, Alexander Gammie, M.P.S., The Central Pharmacy, Redruth, to Florence Gillett, Preston.

HODGKISON—DAVY.—At St. Paul's Church, Whitley Bay, on October 26, John Harold Hodgkison, M.P.S., Alston, Cumberland, to Greta May Davy, Whitley Bay.

WEBB—MARSH.—At the Church of St. Bartholomew the Great, West Smithfield, London, E.C.1, on October 23, by the Rev. W. C. Roberts, Christopher Rahere Webb, third son of Mr. E. Alfred Webb, Ph.C., East Grinstead, to Mary Curtis Marsh, third daughter of Mr. Frederick Marsh, Guildford.

Deaths

ADAMSON.—On October 19, after a long and painful illness, the wife of Mr. W. Adamson, chemist and druggist, 80 Western Road, Southall.

ARUNDEL.—At 8 Gombards, St. Albans, on October 15, Mr. Matthew Henry Arundel, chemist and druggist, for thirty-eight years chemist to the Civil Service Co-operative Society, Ltd., aged seventy-six.

COLE.—At Huddersfield, on October 22, Mr. Percy W. Cole, of Cole & Wilson, chemical manufacturers, 19 Railway Street, aged fifty-one.

HARRY.—At Okehampton, on October 23, suddenly, Mr. Seth Harry, chemist and druggist, aged seventy-seven. Mr. Harry commenced business in Okehampton when a young man, and for a long period traded as a grocer in addition. He served a term of office as Mayor of the borough; he was held in great esteem, and was presented with an illuminated address by his fellow-townsmen. Mr. Harry is survived by three sons and two daughters.

PULFORD.—On October 26, suddenly, Mr. Arthur Pulford, a partner in the firm of Sangers, druggists' sundriesmen, 42A Hampstead Road, London, N.W.1, aged sixty-three. Mr. Pulford, who resided at Edgeworth, Horley, Surrey, had been connected continuously with Messrs. Sangers since 1885. Death took place while he was on his way to business.

SIMINSON.—At Warminster, on October 13, Mr. Henry Siminson, chemist and druggist, aged eighty-three. Mr. Siminson, who was a native of Hull, succeeded Mr. W. Flooks, George Street, Warminster, in business in 1871. He is survived by eleven children, including three sons who are chemists—Mr. Albert H. Siminson, St. Lawrence, Ramsgate; Mr. Edwin Siminson, Minster-in-Thanet; and Mr. Thomas Siminson, who has followed his father in the Warminster business. The funeral took place at Christ Church, Warminster, on October 15.

SIMON.—At the residence of his son, 67 Pemberton Road, Old Swan, Liverpool, on October 25, Mr. Richard Simon, chemist and druggist. Mr. Simon, who passed the Modified examination in 1873, carried on business in Liverpool for a long period.

WEIR.—At Cork, recently, Mr. Joseph C. Weir, 196 Cliftonville Road, Belfast, Irish representative of Thomas Guest & Co., Ltd., lozenge manufacturers, Manchester. Mr. Weir, who was taken suddenly ill while on a journey, had an extensive business connection, and was highly esteemed

Trade Notes

THE GENERAL ELECTRIC CO., LTD., Magnet House, Kingsway, London, W.C.2, have added further telephone lines. The company now has sixty-one lines with the number Regent 7050.

KAYLENE, LTD., 7 Mandeville Place, Wigmore Street, London, W.1, have published a pamphlet dealing with the Kaylene treatment in cases of chronic intestinal stasis. Chemists can obtain a copy of the pamphlet on application.

HINDS' HONEY AND ALMOND CREAM.—A. S. Hinds, Ltd., Raynes Park, London, S.W.20, are launching an extensive advertising campaign in connection with Hinds' Honey and Almond Cream. Details are given in an advertisement in this issue.

THOMPSON & CAPPER, LTD., Manesty Buildings, College Lane, Liverpool, announced in the *C. & D.*, October 9, that Tuesdays and Fridays are the days devoted to receiving trade representatives. Appointments can also be made for other days.

SHOWCARDS AND POSTERS.—Replicards, 411A Harrow Road, London, W.9, specialise in a new process for producing showcards in flat colours which will specially interest wholesalers and manufacturers. Examples which we have seen show that the process is very effective as an advertising method.

CHRISTMAS GOODS.—William Edwards & Sons, 14-18 Nile Street, City Road, London, N.1, in their advertisement, indicate special lines of toilet requirements suitable for Christmas presents. A representative of the firm will on request call upon chemists, or the goods can be seen in the showroom at Nile Street.

A FAMOUS VOLUME.—May, Roberts & Co., Ltd., 7-13 Clerkenwell Road, London, E.C.1, have published a new edition of their price list of druggists' sundries. It covers not only druggists' sundries and glassware, but proprietary medicines, photographic goods, stationery, tobacco, and counter specialities. Chemists who have not received a copy should write for one.

TIBO TOOTH BRUSHES.—Tibo Products Co., Ltd., 55-63 Goswell Road, London, E.C.1, advertise Tibo tooth brushes in this issue. A special selling point is made of the patent process employed for attaching the bristles to the base. The brushes are packed in cellophane cartons, and the retail price of 2s. is protected under the scheme of the Proprietary Articles Trade Association.

SIMPLEX SHAVER.—E. M. Walden, Ltd., 136 Borough High Street, London, S.E., are introducing a special razor for the use of ladies with bobbed and shingled hair and for use under the arms. The Simplex shaver, which is shown in the company's advertisement, is 5½ in. long, and the curved blade makes it more convenient to use besides preventing obstruction of the view in the mirror.

FRENCH PROPRIETARIES.—Wilcox, Jozeau & Co., 15 Great St. Andrew Street, London, W.C.2, announce reductions in the retail and wholesale prices of Kola Astier, Riodine Astier, and Arheol Astier. The changes in price take place on November 1. The same firm call attention to a new size of Eupnine Vernade, which retails at 3s., containing sufficient for eight to ten days' treatment.

MEGGESON'S BLACK CURRANT PASTILLES.—Meggeson & Co., Ltd., Bermondsey, London, S.E.16, have produced a new type of glycerin and black currant pastille, in which the difficult problem of ensuring freedom from stickiness has been overcome. The product is freely soluble in the mouth and possesses the flavour of the natural fruit juice from which it is made. The pastilles are packed in attractive yellow and red tins in 2-oz. and 4-oz. sizes.

TASTY CANDIES.—Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool, are making a special offer of herbal cough candy in their announcement this week. The candy is in the old-fashioned squares calculated to tempt those even to whom youth is but a memory. The advertisement gives details also of lime fruit, cream and mint candies, which are sold at the same rates as the cough candy, and are also packed in tins to retail at 1s. 3d.

VINOLIA GIFTS.—Vinolia, Ltd., Bebington, have arranged a special display this week of perfumes and presentation boxes at Lever House, Blackfriars, London, E.C.4. We have had an opportunity of examining some of the new packings, which are very attractive, and can still be sold at a reasonable price. The Vinolia Cologne and Blondeau Cologne presentation boxes each contain a watch-shaped bottle of eau de Cologne and two cakes of eau de Cologne soap. A companion to these is the lavender presentation box. The Vinolia Glacier Cologne is a new product, which consists of Vinolia triple Cologne with menthol, so as to give the maximum of cooling effect. A new large-size Vinolia complexion powder has been produced, selling at 2s. It is packed in Wedgwood decorated box and perfumed with Aralys.

Trade-marks Applied for

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1926, p. 309.

(*From "The Trade-marks Journal," October 6, 1926.*)

"MARY'S SALONS" on oval shape, surrounded by plait tied with bow; for all goods (48). By A. Dunhill, 186 Campden Hill Road, London, W.8. 470,661.

Device formed of letters "S M B" with words "The Perfume Shop" on bottle ("S M B," "The Perfume Shop" and bottle device disclaimed); for hair and toilet preparations (48). "NOGRE"; for toilet preparations (48). By Madam Seaton Burridge, Ealing Dene, The Common, Whitchurch, near Cardiff. 470,169; 471,879.

Device of monogram on oval shape; for hair preparations (48). By The British Alkaloids, Ltd., 104 Winchester House, Old Broad Street, London, E.C.2. 472,229.

"A GLAXO BABY" with picture of baby in round frame; for perfumery, etc. (48). By J. Nathan & Co., Ltd., 16 St. Helen's Place, London, E.C.3. 472,237. (Associated.)

"AMMONOX"; for perfumery, etc. (48). By Calder Soap Co., A.1, Market Street, Ashby-de-la-Zouch. 472,592.

(*From "The Trade-marks Journal," October 13, 1926.*)

"GLOWOL"; for chemicals (1). By J. Houston, 157 Crumlin Road, Belfast. 470,901.

"BESCONDI"; for chemicals (2). By Chapman & Son (Grimsby), Ltd., 235 Cleethorpes Road, Grimsby. 473,012.

Design of fantastic figure carrying corn; "NITROPHOSKA"; for all goods (2). "OCELLA"; for photographic apparatus, etc. (8). By I. G. Farbenindustrie Aktiengesellschaft, Mainzer Landstrasse 28, Frankfort-on-Main, Germany. 473,142/143; 471,697.

"NOVIFORM"; for medicinal chemicals (3). By Chemische Fabrik von Heyden Aktiengesellschaft, 57 Leipzigerstrasse, Radebeul, near Dresden, Germany. 471,319.

"CARMOLENE"; for all goods (3). By Veno Drug Co. (1925), Ltd., Chester Road, Manchester, S.W. 471,976.

"FELSOL"; for all goods (3). By A. J. Stephenson, 48 Red Lion Street, London, W.C.1. 472,588.

"LUMINA"; for eye lotion (3). By Doris Culkin, Tong Cottage, Birches Barn Road, Wolverhampton. 472,867.

"REYNOLINE"; for medicinal chemicals (3). By Reynolds, Sons & Co., Ltd., 55 Charterhouse Street, London, E.C.1. 471,252. (Associated.)

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated:

A/2610. Chocolettes
S/1310. Churchill's nasal spray
H/1910. Dandy Radium Carlton aluminium hot-water bottles
D/1310. Derwent razor blades
B/2510. Emser Salts
M/1310. Jung's Wonder foot support
A/2610. Kola Kolloid
N/2610. Marylan Cream
A/2610. Neo- (or Neuro-) Thalein
H/2710. "Oyez" attar of rose
H/2510. Osgood's Indian Chloromel (London supply)
F/1310. Perfecta tooth-brushes
B/2710. Pyorrhotex
B/2610. Shaving outfit in nickel tube cases, marked B.G.C. & P.
F/1910. Small steam lamp or kettle apparatus for removing blackheads
M/2610. Sonal Solvent
A/2510. Stollaxol
S/2210. Wonder douche
M/2510. Zenotex

Observations and Reflections

By Xrayser III

Unlocked Cupboards

for poisons are beginning to cause trouble to their owners, but it seems clear from last week's legal reports (*C & D.*, October 23, p. 621) that the particular cupboards concerned had no locks upon the doors. Naturally, in such circumstances, the cupboards could not be locked; but what I want to know is, how matters will stand when cupboards which have locks upon the doors are found during business hours (1) unlocked with the keys absent, (2) unlocked with the keys in position, or (3) locked with the keys left in position? I am assuming, of course, that in each instance the person entitled to be in charge of the key is present, and that all the bottles which ought to be in the cupboards are actually there, except such as may be in use at the dispensing counters. There are many little problems to be solved by the Home Office inspectors before they can safely assume that they know all there is to know about the storage of poisons.

Mr. Henry S. Wellcome

is worthy of all the commendation that has been showered upon him because of his public-spirited action in providing and maintaining the Historical Medical Museum, and doing so much to encourage scientific research. Your report of the reopening of the Museum (*C. & D.*, October 23, p. 635) should induce many who have not already made acquaintance with that wonderful institution to spare a few hours for the purpose, while those who have previously enjoyed visits to the Museum should be tempted to go again. Judging from your account of the reorganisation which has been effected, the arrangement of the interesting exhibits must be vastly improved, and one can quite understand how the distinguished visitors who took part in the proceedings must have been impressed by what they saw.

That Register

of professional chemists does not appear likely to see the light yet awhile, if the report you published last week (p. 634) is taken seriously. What the matter boils down to is that the Institute of Chemistry is admitted to be the only body which could set up "a new register with a wider embrace," but the Institute cannot well do anything of the kind without adversely affecting the interests of its fellows and associates. Compulsory registration of all the nondescript chemists is not considered practicable, while voluntary registration of all the elements in a third grade of the Institute is stated to be undesirable. Meanwhile there is nothing to prevent the outsiders from describing themselves as works chemists, or consulting chemists, or even unregistered chemists—so long as they refrain from opening shops and selling poisons. "Unregistered chemist," with the abbreviation "U.R.C.," might serve the purpose very well.

Mr. J. Rutherford Hill

continues to render useful service by his expositions of moot points, and there can be little doubt about the accuracy of his interpretation of the requirements of Section 17 of the Pharmacy Act, 1868 (*C. & D.*, October 23, p. 637). As he points out, the intention of the Legislature was almost certainly that the label bearing the name and address of the seller should be affixed to the immediate container of medicine including a scheduled poison as one of its constituents, because there only could it be expected to be permanently available. But intentions are not always sure guides to legal requirements, and we are consequently placed at times in a position of difficulty when we endeavour conscientiously to do the right thing. It is to be remembered that there was a time when proprietary medicines containing poison were supposed to be entitled to exemption from the provisions of Section 17, and no retailer ever thought of affixing his own label to the packages before selling them. Now that it is known we must do so, I would suggest that manufacturers of proprietary medicines be requested to do all they can to simplify our work. Why should it not be possible for us to remove outer wrappers without breaking the revenue stamps, and to replace them after affixing our own labels where they ought to be?

"Doctor 'My Book'"

is, I learn from "The Lancet," the title of a play which has been published in support of the Press fund for assisting St. Bartholomew's Hospital. It must be an obscure title to all who are unacquainted with Abernethy and his connection with this great hospital. One is tempted to indulge in a little speculation as to whether there is an *arrière-pensée* connected with it, seeing that it appears when the question of the undesirable publicity of prominent medical men is being so generally discussed. Abernethy can have had no qualms about getting himself talked about or of extending the circulation of his book. "My Book," as he called it, was his "Surgical Observations on the Constitutional Origin and Treatment of Local Diseases," which became very popular. There are many anecdotes told of his eccentricities of speech and behaviour; many of these are undoubtedly apocryphal; but one of the best, which bears some evidence on the face of it of being tinctured with Abernethy's genius, is told by Theodore Hook about this very book.

"The Door was Thrown Open,"

writes Hook about the visit to Abernethy, "with a jerk so sudden that I involuntarily jumped off my chair and salaamed to the little man. . . . When he had, as I fancied, looked clean through me with his piercing grey eyes he sat down, and I thought it high time to follow his example. . . . he opened in a short, sharp bark, half growl, 'Well! what the d—— do you want?' 'Physic.' 'What's the matter with you?' 'Can't tell; read too much I think.' 'Where do you come from?' 'Oxford.' 'Ah! drink too much, you mean. Never knew an Oxford or Cambridge man die from over-application to anything but his stomach. What the d—— did you come to me for?' 'To be cured.' . . . 'There, hold your tongue; put it out and let me see it. That will do—put it in again—shut your mouth, and keep it shut.' He wrote on a bit of paper about the size of a crown piece a prescription for my disorder, and told me to go to Paternoster Row and buy his book of Longman & Co.; to turn to page 72, and follow his printed rules as closely as I could; but if possible to go down to the seaside for a time, and enter into every scene of gaiety and amusement I could find."

Saint Bartholomew's Hospital

occupies a chief place in the annals of the medical charities of London. It is one of the five Royal Hospitals. It was originally founded in the twelfth century by Rahere, and a second foundation on letters patent took place in 1544. From that time to the present there has been connected with it a succession of men whose names are familiar to us as household words. At the commencement of this second period of its history there was Thomas Vicary, whose "Englishman's Treasure," a work on human anatomy, was extensively circulated. Among the others were William Harvey, John Woodall, Percivall Pott, John Freake, and John Abernethy. The most important fact associated with Abernethy was the inauguration by him of the third period in the history of this famous foundation. We are told that he may "justly be looked upon as one of the great reformers and teachers of the medical profession." He was trained at St. Bartholomew's, and was a pupil of Charles Blicke and John Hunter. He became an assistant surgeon, and as such he gave lectures in his own house in Bartholomew Close. These lectures were so successful that the governors were induced to build a regular lecture theatre to accommodate Abernethy's students. In this way Abernethy became the founder of the now world-famed medical school of St. Bartholomew's.

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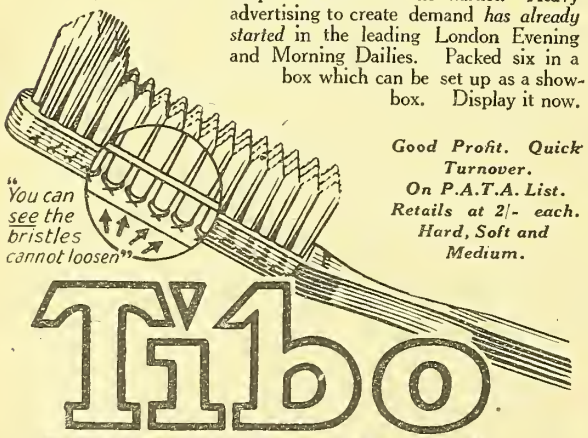

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Editorial Articles

Sales of Medicated Wines

THE decision of the High Court in the case Sharp v. Sparkes, reported in the *C. & D.* of October 23 (p. 622), is of more than ordinary interest to chemists and druggists in business. A chemist holding a patent medicine licence, but not holding any licence to sell wine, had been convicted by the magistrates' court of the offence of selling intoxicating liquor without licence because he sold a bottle of Wincarnis with Quinine, and on appeal to the High Court the Judges upheld the decision of the magistrates. It may be said at once that, whether the judgment on appeal was or was not justified by the facts of the case, the form which the judgment took can hardly fail to be productive of a very undesirable uncertainty in the administration of the law as to the sale of medicated wines. In effect, it has laid down that where the magistrates have any evidence whatever before them that a liquid is a wine, even if sold and bought as a medicine, they may find that it is a wine for the sale of which a justices' licence is required. When we consider how frequently idiosyncrasies as to the propriety of the consumption of alcoholic beverages obtrude themselves on the minds of those who sit in magistrates' courts, it would seem hopeless to expect a uniform administration of a law which rests on such a basis as this. We have in fact had the case of a sale of this very wine, Wincarnis with Quinine, up before the lower courts in Rex v. Hobson in 1914. In that case the Bradford justices, sitting in Petty Sessions, found that the Wincarnis was a wine for the sale of which a wine licence was necessary. On appeal to Quarter Sessions on the facts, the justices sitting there held that it was not. Now comes along the High Court with a finding which would justify both the conflicting decisions of the lower courts. A glance at the practice which has hitherto prevailed in the administration of the law as to the sale of medicated wines by chemists and druggists will reveal the probable far-reaching effects of the recent decision. It has been the practice of the Commissioners of Customs and Excise not to require an Excise licence to be taken out for the sale of medicated wine where the liquid had been so treated by the addition of some drug as in their opinion to take it out of the category of ordinary beverages, and in fixing upon a standard for this purpose reference would, of course, be made to the B.P. or other recognised book of medical recipes. And the line taken by the Excise authorities as to the requirement or non-requirement of a licence has been adopted by magistrates in determining whether or not a wine alleged to be medicated required a justices' licence for its sale. Indeed, our codifying licensing statute pointed to an interdependence of practice between the Excise authorities and the justices. The section of the Act of 1910, which defines what shall be intoxicating liquor requiring a justices' licence for its retail sale, runs: "The expression 'intoxicating liquor' means spirits, wine, beer, porter, cider, perry, and sweets, and any fermented, distilled or spirituous liquor which cannot, according to any law for the time being in force,

be legally sold without an Excise licence." As the reaction of the administrative practice of each of the sets of authorities, the Excise and the magistrates, upon the other may be expected to continue, chemists and druggists must not be surprised if such decisions as this of the High Court in the Wincarnis with Quinine case lead to some tightening up of the restrictions applied by the Commissioners of Customs and Excise to the sale of medicated wines. And in any event it is beyond all reasonable doubt that a succession of judgments such as that in Sharp v. Sparkes would be taken advantage of by those whose policy it is that the purchase of medicated wines should be made as difficult as possible for the public to agitate for further parliamentary restriction upon this department of the business of a chemist and druggist. It may be permissible to express the hope that on a prosecution of this kind being undertaken in future, every care will be taken, even by appeal to Quarter Sessions if necessary, to insure that on the case going to the High Court it shall go on an adequate statement of facts from the lower court. On perusing the case as stated one is left with an uneasy feeling that the facts sent up were by no means so favourable to the appellants as they might with a little more evidence have been.

The Turpentine Position

DURING the past two months there have been alternate changes of feeling in regard to the position of turpentine on both sides of the Atlantic, and as a result it has been difficult to form any definite idea as to the future course of the market. When the position was commented upon, on September 4 (*C. & D.*, pp. 427-8), there was a good deal of spot activity, although prices had reacted by a few shillings per cwt. from the sharp advance noted in the latter part of August, when the price quoted for spot delivery touched about 67s. per cwt. and forward contracts were made at about 70s. The Savannah quotation then reached about 90 cents, while current receipts in the south were remarkably well absorbed. The feeling, moreover, was influenced by reports that crop developments had been handicapped by adverse weather conditions, while estimates were circulated that the crop receipts had suffered a setback this season of about 2½ per cent. The coal difficulties, too, in this country have, at least temporarily, upset American calculations. Speculative purchases made at relatively high rates in London in anticipation of a coal settlement early in October led to liquidation within the last few weeks as a result of the prolongation of the struggle, and appeared to encourage jobbing operations on the "short" side on a limited scale. At any rate, the impression has been gaining ground in some quarters that the depression is more artificial than real. However, the trade demand declined from the comparatively high weekly level until towards the end of September, and consumers are still reluctant to buy beyond their urgent requirements. Deliveries for consumption have been by no means small when compared with October in the previous two years, despite the coal crisis, this being partly due to quantities being diverted to some of the outports where supplies have remained small for some time. The Savannah price lately declined to about 81½ cents on a more restricted demand, but, according to the latest cables received through private channels, competition for the more moderate supplies coming forward in the south has improved, a fact rather indicative of a healthier market. Spot delivery this week was offering down to about 61s. 9d. and January-April sold down to 63s. 3d., but the quantities offered were limited. The setback from the highest level attained in August last thus represented from 6s. to 7s. per cwt., but the spot price this time last year was about 77s., with January-April commanding a premium of 2s. 6d. There is no doubt that stocks in America have been accumulating to some extent within the last few months, chiefly on account of the much smaller quantities exported to this country, but domestic consumption has hardly diminished to any extent, although it is possible that the outlet for the genuine article has been affected in some degree by the freer use of substitutes in the paint and varnish trades. Incoming and outgoing supplies in the U.K., according to the Board of Trade returns, are very striking, as follows :—

Cwt.	1925	1926
U.K. imports, Jan.-Sept. ..	389,308	216,579
U.K. re-exports, Jan.-Sept. ..	16,179	48,554
U.K. net imports..	373,129	168,025

It will be seen that our net imports are abnormally small compared with last year; and we give below the returns issued by a trade authority, which give a clear indication of the present statistical position, with comparisons for the preceding three years :—

Barrels	1923	1924	1925	1926
London deliveries ..	76,518	78,624	74,474	88,902
London stocks	18,341	36,235	53,934	21,754
London landing and afloat	9,475	7,841	1,500	10,450
London total visible supply	27,816	44,076	55,434	32,204
London spot value (per cwt.) (Oct. 16) ..	74s. 6d.	62s.	77s.	63s.

No special significance need be attached to the heavy excess of the deliveries shown above this year against the previous year, so far as home consumption is concerned, because the greater part of that excess was already accounted for before midsummer, and was due to the heavy quantities diverted to Continental ports; outgoings for home use were nevertheless on a very good scale. The most striking feature in these returns is that the present low stocks contrast with a price indicating (compared with last year) a depreciation of 14s. per cwt., in spite of the fact that the stocks last year were about 32,000 barrels heavier. Towards the autumn stocks are usually liberally increased to make provision for the needs of the coming year, but a normal replenishment this season so far has been deferred on account of the reluctant attitude of importers, already referred to. It is difficult to draw any conclusion to what extent general consumption might be affected this season by industrial uncertainties, but it is well to bear in mind that American crop operations will soon be at an end and that considerably larger supplies will be required on this side to cover another six months' consumption. One thing is certain, and that is that a great deal more will have to be purchased and shipped from America over that period against prospective needs. Possibly the remnants of the crop now about to be distilled may make up, in some degree, for the estimated further deficit in the yield this season on the top of a setback of 50,000 barrels in the previous year. But in the event of more settled conditions and a good spring trade, whatever the American export surplus may be, it should hardly be in excess of the absorbing capacity of the market, and an upward movement in the early future would cause no surprise.

Drug Addiction in Germany

THE Minister of the Interior of the Reich has addressed a circular to the Governments of the individual German States on the subject of combating the illegitimate use of narcotics, based on the experiences of the Opium Bureau of the Board of Health, the body entrusted with

the control of the traffic in narcotics and issue of licences. Attention is drawn to the extraordinarily large number of forged medical prescriptions by means of which drug addicts endeavour, very often successfully, to obtain supplies of narcotics. It is increasingly becoming the practice for medical practitioners to prescribe narcotics in excessive amounts. Thus the Board of Health is in possession of prescriptions calling for morphine and cocaine in amounts of 1, 10, 50, 100, 200 and even 300 grams, to be delivered to a single individual. In one instance a prescription was written out for 500 grams of heroin. Doctors who prescribe morphine, cocaine or heroin *per se* are deliberately promoting the illegitimate use of these substances. "In view of the dangers which threaten the German people from this latest form of plague," doctors should be reminded of their professional duties, and before prescribing opium, morphine, cocaine or heroin the practitioner should assure himself in each case of the necessity of using these narcotics, besides observing the greatest care in writing out the prescription. Doctors should take every precaution against the loss through theft of their printed prescription forms. Narcotics should never be prescribed *per se*, but always in the form ready for use; the amount should be strictly limited to that required for each individual case. The circular concludes with an appeal for a willing and sensible collaboration between doctors and pharmacists in order to stamp out successfully these abuses. Reference is also made to attacks on wholesalers of abetting the illegitimate supply of narcotics, which are now under investigation by the Board of Health of the Reich. In regard to the attitude of the Press, the circular contains the following interesting statement: "From the reports of the law courts it is apparent that to-day cocainomania is not confined to *demi-mondaines* and degenerates, but is indulged in by people belonging to almost every class of the population. These addicts exhibit an astonishing degree of cunning and trickery in securing supplies of this narcotic drug, and they wantonly jeopardise their own integrity, their social position, the happiness and welfare of their family, as well as their own good name and the respect of their fellow-men."

PRIZES FOR SYNTHESIS OF RUBBER.—The Supreme Economic Council of the U.S.S.R. offers two prizes, one of 100,000 and another of 50,000 roubles, for the best process for the synthetic production of rubber. The competition is open to all inside and outside Soviet Russia; descriptions of the methods must be submitted before January 1, 1928, together with a sample—not under 2 kilos—of the product obtained by the competitor's process, which must be capable of being patented. A condition is that the manufacture of the article must be possible with raw materials available in the U.S.S.R.

A BALANCED OPINION.—Addressing a London medical school, recently, Sir Humphry Rolleston, Regius Professor of Physic in the University of Cambridge, expressed the view that as many persons—acting on the assumption that forty years of life made an individual either a physician or a fool—were convinced that they were as good as, or better than, doctors, a considerable amount of rather irresponsible treatment—in other words, a more advanced grade of domestic medicine—was likely to result. From such domestic medical practice it was but a step to an addiction to proprietary potions and pills, with which, as proved by their widespread advertisements, so many people dosed themselves and others so freely, and sometimes not too wisely. But it would be unwise for the medical profession to jump to the conclusion that they were all useless, or worse. Proprietary medicines were sometimes derived from physicians' prescriptions, for combinations of drugs proved by experience to be specially effective; some, indeed, such as chlorodyne and James fever powder, had been copied in the British Pharmacopœia. When the composition of a patent medicine was known, and it would be advantageous when a note of their composition on the label was legally enforced, there was ground to show whether or not it should be prescribed.

Two New City Pharmacies

MR. J. E. SOUTHON has recently opened two new pharmacies in the City of London, a most unusual event, as the tendency for some years has been in the opposite direction. Mr. Southon, who was well known to chemists before the war as the secretary of the Junior Pharmacy

Ball, came to London in 1885, and after qualifying was an assistant to Corbyn, Stacey & Co., Poultry, afterwards becoming manager for four years of the Leadenhall branch of the same firm; when, in 1893, Messrs. Corbyn gave up their retail business at this address, Mr. Southon opened a pharmacy at No. 8 in the same street. After thirty-two years at this address, Mr. Southon secured new premises at 5 Leadenhall Street,

where the fine modern pharmacy shown above has been installed. Designed by Bennetts, of Holloway, the front is carried out in bronze, giving a distinctive touch with light oak and marble. The interior is also distinctive in style. In May a branch of the business was opened at 119 Cheapside, and the second illustration shows the fine shop front composed of dove-grey marble and bronze, put in by Pollards.

New Solvents and their Specific Uses

I

THE last decade has been prolific in the production of new solvents upon an industrial scale. In addition, some of these commercial organic derivatives fulfil the dual rôle of both solvent and reagent, so that their specific properties have led to utilisation in the manufacture of special types of products (notably lacquers and plastics), as well as widening the range of alternative solvents for industrial purposes. The enterprise displayed in both production and application of special type solvents is indubitable proof of their utility, their industrial advantages not being only saving in cost of production, or in making a better article, but in making possible new products which sell themselves. Various factors have combined to enable new solvents to be marketed at economic prices, among which has been the desire of the fermentation industries and mineral oil distillers both to find new uses for waste products and also to widen the sphere of activity in an industry threatened with partial extinction by prohibition or heavy taxation of alcoholic stimulants. Chemical manufacturers have also exhibited considerable enterprise despite the handicaps which attend pioneering effort in the production of synthetic solvents and of solvents involving chemical processes. Astonishingly rapid advance has resulted in some instances. Thus synthetic methyl alcohol already threatens to supersede wood naphtha, although large-scale production has only been possible for about two years. Again, synthetic plastics are ousting shellac for many purposes, especially cold-moulded products. A consequence has been to encourage research on an industrial scale and the preparation of decidedly unusual types of solvents. A few of these have found immediate use, which has been met by large-scale production, but others await the creation of a demand. In fact, commercial research is for once well ahead of the requirements of the arts and industries, and attempts are being made to make outlets for solvents which would be willingly produced at a reasonable price whenever the demand justifies the erection of the requisite plant for production on a commercial basis. The history of butyl alcohol (butanol) is typical of the rapid progression of events in modern solvation. The isolation of a suitable bacillus which produced butyl alcohol by fermentation of starchy cereals was accomplished by Weissman and patented in this country in 1915. The intention was to benefit the production of synthetic rubber, but actually the organism was utilised by the British and American Governments to make acetone (with butyl alcohol as a waste product). Distilleries at Terre Haute, Indiana, were adapted for this purpose, and by the end of the war large stocks of "butanol" had accumulated. The attempt to unload the solvent by suggesting new uses was so successful that the Commercial Solvents Corporation was formed to purchase the plant, with the object of making butyl alcohol (with acetone as a secondary product), and a second plant is now operating at Peoria. Within a few years the annual consumption of butyl alcohol has risen to several millions of gallons per annum. The following list indicates the more important industrial uses of butyl alcohol and its derivatives.

Aeroplane dopes	Polishes
Artificial leather	Rubber industry
Artificial silk	Rust remover
Carbon removers	Safety glass
Lacquers and varnishes	Synthetic flavours
Motor fuels (mixing)	Synthetic perfumes
Paint removers	Synthetic resins
Plasticisers (camphor substitutes)	Thinning solvent (spirit varnish, etc.)

Though the generalisations above are self-sufficient to indicate the widespread uses of butyl alcohol, it is only on studying the individual products that full realisation can be attained of the advances made possible during the last few years, the replacement of camphor in celluloid by dibutyl tartrate being one example. The enormous development in the lacquer industry of recent years is due to the production of nitro-cellulose finish in great variety and colour with all the lustre of varnish for which it has been substituted. Easy application and quick drying were the original recommendations, followed by more durable gloss as the purity of solvents and the diversity of softeners (or plasticisers) increased with more scientific methods of production and purification. The introduction of almost anhydrous alcohol went a long way towards the solving of the problem of "blushing" of lacquers in the presence of moisture. The changes in the lacquer industry during the last year or so have been considered revolutionary, but these appear insignificant in view of the possibilities opened up by two-type solvents and synthetic mouldable or varnish-like resins which can be hardened at will by heating. These new solvents and chemicals are not fully available in commerce, but output only is required to make their ramifications as widespread as those of our readers. The literature on these solvents is both diffuse in character and difficult to find. The task of co-ordinating this scattered knowledge and indicating its applications typifies the tradition of service which THE CHEMIST AND DRUGGIST follows for the benefit of its readers in all sections of chemical industry. Most of the material embodied in this series of articles is the result of research done or instigated by the makers of the solvents themselves, and already new industries have followed the introduction of co-operative endeavour in industrial research. Unfortunately individuals may attempt to circumscribe the use of new solvents intended to be of general utility by securing patents involving specific applications. Whenever possible patents covering specific purposes are mentioned, but some of these are decidedly limited in scope, and are of dubious validity.

The various types of solvents group themselves chemically as follows :—

Hydrocarbons
Alcohols
Esters (and ethers)
Aldehydes
Ketones
Chlorinated organic compounds

The above order will be followed in describing solvents as normally their properties are those of the group, with gradations as molecular weight increases. A group such as the alcohol group will have to be further subdivided because primary, secondary and tertiary alcohols possess distinctive properties. Another exception is the existence of dual or mixed type solvents derived from dihydric alcohols, and possessing characteristics of two of the above groups. However, these naturally fit in with and follow the glycols from which they are derived. The subject-matter of these articles comprises data not easily available, and forms an extension of solubilities such as are recorded in Seidell's "Solubilities of Organic and Inorganic Substances", and Comey's "Dictionary of Solubilities." New editions of both these works have been published recently, and they collate and bring up to date a wealth of data with pure solvents which otherwise are inaccessible. The commercial application of solvents is based upon (1) cost, (2) practical advantages, and as regards the latter a relatively expensive solvent may open up new possibilities with mixed solvents, a field of endeavour which is illimitable, as witness "plasticisers" in lacquers, "carriers" in thinning spirit varnishes and motor fuels, purification and dehydration by distillation with azeotropic mixtures (e.g., alcohol, benzene, and water). A few years must always elapse before information on new solvents and their uses is available in book form, and the following description fills in this gap. Not only are new solvents described, but new sources of supply and the production of purer products.

Data regarding solubilities in new solvents of resins, nitro-cotton, or acetyl-cellulose, will also be given, and their volatility (or drying properties) will be indicated as well as the property of some mixed solvents forming azeotropic mixtures of high or low boiling points.

CHINESE MUSK EXPORTS.—The increase in the export of musk from China from 721 taels (1 tael = 1⅓ oz.) valued at Haikwan tls. 13,950, to 2,033 taels, valued at Hk. tls. 47,855, is worthy of mention, for it represents in the main the efforts of an enterprising French merchant, who undertook a three years' collecting expedition along the Yunnan-Tibetan borderland, says the Mengtsz (Yunnan) Trade Report for 1925.

Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts

ENGLAND AND WALES

Local Reports

Bolton.—Local doctors have prescribed for 85,341 insured persons during the quarter ended June 30, and 86,498 prescriptions were issued. The cost of ingredients was £1,389, dispensing fees £1,616, average cost 8.4d. per prescription. The Pharmaceutical Service Subcommittee have considered certificates of analyses on samples submitted to them. Although the analyst found that in the first portion of one sample there had been inaccuracy in dispensing, they recommended that in view of the report of the contractor's analyst no further action be taken. Four chemists were added to the panel list.

Croydon.—At the October meeting of the Insurance Committee, the Pharmaceutical Service Subcommittee reported on a complaint against a chemist. The Committee's analyst found that the proportion of sugar in a prescription was equivalent to approximately five per cent. by volume of syrup of orange, B.P., showing an approximate deficit of seventy per cent. The chemist expressed regret and surprise, and suggested that his qualified dispenser had misread the formulary. The chemist was censured. In another case the Minister of Health had ordered that £1 be deducted from the remuneration due to a chemist.

Derbyshire.—The cost of drugs and appliances was raised by a member at a recent meeting of the Insurance Committee. He said that the cost per insured person under the Act should be not more than 2s., but in practice the cost where the patient went to a chemist to have the prescription made up was 2s. 7d. throughout the country, and 2s. 7½d. in Derbyshire. Yet the doctor who both prescribed and dispensed was allowed only 2s., which he contended was not sufficient. It was reported that insured persons totalled 232,825. This figure showed a decrease of 1,432 on the quarter.

Devon.—A meeting of the Pharmaceutical Committee was held at Exeter recently, Mr. S. S. Brown in the chair. Officers and subcommittees were elected as follows:—*Chairman*, Mr. S. S. Brown; *Treasurer*, Mr. P. F. Rowsell; *Secretary*, Mr. F. Southerden; *Auditors*, Messrs. M. T. Foster and W. W. Pine; *Pharmaceutical Services*, Messrs. Brown, Foster and Rowsell; *Joint Services*, Messrs. Brown and Foster; *Dispensing*, Messrs. Foster and Rowsell.

Great Yarmouth.—At the recent meeting of the Insurance Committee the Pharmaceutical Service Subcommittee reported that three test powders of aspirin 5 gr. had been examined, and it was found that the three separate packets contained 9.78 gr., 6.38 gr., and 5.4 gr. respectively. The Committee decided to withhold £1 1s. from the chemist's account, and to warn him that for the future he must exercise more care in dispensing prescriptions. Mr. A. E. Richmond, a chemist member, said it was hardly fair that the facts should be made public without any name being given. The clerk said that in such cases the name was never given. Mr. Richmond said it meant suspicion rested on all panel chemists. For the second quarter of the year it was stated that prescriptions numbered 22,405, and the total ingredient price was £467 10s. 2d., the total dispensing fees being £410 12s. 4d. The number of insured persons on the doctors' lists is 17,231. The average ingredient price per prescription was 5.01d., and the average dispensing fee per prescription 4.40d. The average total cost per person on the doctors' lists was 12.23d. The frequency of prescription per person on the doctors' lists was 1.30. The number of prescriptions relating to serums and vaccines was 3 for 3 insured persons, total cost being £1 8s. 7d. The number of insulin prescriptions was 41 for 4 insured persons, at a cost of £15 0s. 4d.

Hertfordshire.—At a meeting of the Insurance Committee, on September 27, it was reported that a chemist who had been fined £5 for alleged wrongful dispensing of a prescription had the fine reduced by the Ministry of Health to £1, having regard to the fines inflicted on chemists in other areas for similar offences.

Hull.—At a meeting of the Insurance Committee, recently, Mr. F. A. Chapman, chairman, called attention to the fact that the average ingredient price per prescription in Hull was 5.4d., against only 4d. for the whole area, including Hull. The average total cost per prescription in Hull was 9.4d., compared with 8.4d. for the area. The average total cost per insured person in Hull was 13.2d. against 8.8d., and the frequency per insured person in Hull was 1.4 against 1.0. Considering the thousands of prescriptions issued in a quarter, he said, this called for an explanation. Dr. Barker said Hull had a very different climate and subsoil to Newcastle, and there was more rheumatism and chest trouble here. Dr. Nelson said the average cost of prescriptions in Hull was higher than the average by not quite 1½d. per bottle of medicine, which was not a big difference.

Lancashire.—At a meeting of the Insurance Committee, held recently, Col. Formby said some of the test prescriptions which were taken to chemists were impossible to analyse. Whoever drew up the prescriptions should take more care. Mr. A. J. Speed (the clerk) said the test prescriptions were obtained from prescriptions which had come in the ordinary way to the Pricing Bureau from the chemists. A list of these was drawn up and supplied to a doctor, who was asked to select two or three and sign them. Then a chemist on the staff was asked to look them over, and finally an analyst saw them before they went out. However, the system of test prescriptions had been experimental, and they were now finding out the best way to go about it.

London.—A meeting of the London Pharmaceutical Committee took place on October 19, Mr. D. A. Rees (vice-chairman) presiding. Mr. James Angus, Mile End Road, E., was appointed to fill the vacancy occasioned by the death of Mr. A. R. Keith. The report of the Central Checking Bureau for the month of June 1926 showed that the margin of error in pricing was 0.03 per cent. Messrs. Barnard, Keall and Melhuish were reappointed members of the Pharmaceutical Service Subcommittee, and Messrs. Noble, Thompson and Milner were appointed deputy members. The secretary reported, *inter alia*, that complaints had been received against doctors in two areas of London with regard to their failure to mark prescriptions "Urgent," which the chemists were called upon to dispense at a very late hour; that the total number of shops on the London panel is now 1,206; and that the representations made to the Panel Committee regarding illegible prescriptions issued by two doctors had been successful, as shown by a recent examination of the prescriptions issued by the doctors in question.

Middlesex.—At a meeting of the Pharmaceutical Committee, held on September 29, Mr. Thomas Marns in the chair, a letter was received from the Retail Pharmacists' Union, pointing out the need of discouraging the use of concentrated mixtures. With this view the Middlesex Committee was in agreement. It was explained that arrangements for the use of industrial methylated spirit in dispensing had now been completed, though some difficulty was being experienced by chemists in obtaining supplies from other chemists in certain districts. The following particulars were included in the report of the checking supervisor (see also *C. & D.*, July 31, p. 206):—

1926	Prescriptions	Cost £ s. d.	Average d.	Ingredients d.	Fee d.
June ..	120,122	4,326 4 10	8.6	4.2	4.4
July ..	118,710	4,229 14 0	8.6	4.2	4.4

During the second quarter of 1926, 524 insulin prescriptions were issued for 67 patients, total value £171 15s. 5d. There were 131 serums and vaccines prescriptions for 103 patients, costing £46 19s. 7d. Thirteen hypodermic syringes were ordered for 11 patients, at a cost of £1 19s., and 150 hypodermic needles for 27 patients, at a cost of £2 14s. 11d. There were 79 items disallowed during the second quarter, 26 were brushes and the others include Fehling's solution, trusses, ovaltine, Valentine's meat juice, eye shades, medicine droppers, drainage tubing, Buller's shield, capsicum and thermogene wool,

and hypodermic syringes when not used for the administration of insulin. The following are the official figures for 1925: Number of prescriptions, 1,613,369; total value, £58,123 0s. 5d.; average prescription cost. 8.6d. (drugs 4.1d., fee 4.5d.); persons on panel list, 427,205; average cost per person, 32.7d.; frequency per insured person, 3.8d. At the close of the meeting the chairman referred sympathetically to the recent death of Mr. A. R. Keith, and it was decided to send a letter of condolence to Mrs. Keith. The bi-monthly meeting of the Insurance Committee was held on October 4, Mr. J. D. Cooper (chairman) presiding. Mr. W. W. Kelland put up the report of the Finance and General Purposes Subcommittee, which reported the payment of the following accounts:—To chemists, June 1926, £4,143 3s. 4d.; ditto, July, £4,229 12s. 6d.; to practitioners for dispensing fees, third quarter, £212 7s. 6d.; to Middlesex Pharmaceutical Committee on account of expenses, 1926, £200; to practitioners for drugs under Clause 7, 5s. 8d.; refunds to drug fund, £1 16s. 7d. and 2s. 11d. The action of the subcommittee was approved, and Mr. A. E. Truscott was appointed agent to obtain prescriptions under the scheme for testing drugs and appliances. Subject to the approval of the Public Control Committee of the Middlesex County Council and the Middlesex Pharmaceutical Committee, it was decided to approve of the draft scheme for testing drugs and appliances. It was reported that the total number of chemists on the panel was 349. There had been three resignations and ten admissions since the last meeting of the Committee.

Northampton.—At a meeting of the Insurance Committee, held on October 12, the Pharmaceutical Service Subcommittee reported that analysis of two samples of medicine made up for the Committee's agent had shown errors. In the first case there was a relatively small excess of potassium iodide and, in view of an assurance of greater accuracy in the future, they recommended that no further action be taken. In regard to the second bottle of medicine analysed, the Subcommittee found that the medicine was dispensed by an unqualified person, and that the medicine was approximately half strength. The manager of the business who dispensed the medicine undertook to dispense no medicines in future except under the direct supervision of a registered chemist. The Subcommittee recommended that the respondent be cautioned. In a discussion which followed Alderman Campion moved that a circular be sent to every chemist pointing out that a case had been brought to the notice of the Committee of an unqualified person making up a prescription, and laying great stress on the point that an unqualified person must not make up a prescription except under the direct supervision of a qualified person. The resolution was carried unanimously.

Portsmouth.—At the monthly meeting of the Insurance Committee it was decided that Vitafer, Sanatogen, and Ovaltine should not be regarded as drugs, but the Committee would be prepared to consider special circumstances that made it desirable to prescribe these preparations as drugs. It was resolved to issue circulars forthwith to all the doctors and chemists on the panel that the terms "methylated spirits," "spirits," and "spt. vini meth.," when used in a prescription for external use, mean industrial methylated spirit.

Smethwick.—At a meeting of the Insurance Committee, held on October 5, the Pharmaceutical Service Subcommittee reported that a test prescription for mist. colchici et sod. salicyl. 8 oz. had been analysed and found to contain 2.1 per cent. excess of sod. salicyl. and 10 per cent. deficit of sod. bicarb. The mixture, which is included in the local formulary, contains sod. salicyl. 160 gr., sod. bicarb. 160 gr., vin. colchici. 240 min., mist. menth. pip. to 8 fl. oz. The chemist requested that the second portion of the sample retained by the committee be submitted to his analyst. The report was that there was a deficit of 11 per cent. of sod. bicarb. The chemist was present at the hearing of the case, and submitted that as a result of chemical action between the vin. colchici and sod. bicarb. part of the latter would be neutralised, and that it would practically be an impossibility for an analysis to show the prescribed amount of sod. bicarb. if accurately dispensed He demonstrated to the subcommittee the effervescence taking place when sod. bicarb. is added to undiluted vin. colchici. The subcommittee were satisfied that a certain proportion of sod. bicarb. must be neutralised when added to vin. colchici, and they decided that there was no evidence of neglect or inaccuracy on the part of the chemist, and recommended that no action be taken. The following statistics during the quarter ended June 30 were received: Total prescriptions issued, 39,099; cost of ingredients, £567 19s. 9d.; dispensing fees, £720 18s. 7d.; average cost of ingredients, 3.5d.; dispensing fee, 4.4d.; average cost per insured person, 9.7d.; average number of prescriptions per insured person, 1.23. The Finance and General Purposes Committee reported that payments to chemists amounted to £389 13s. 7d. in July and £343 16s. 8d. in August.

S.W. Lancashire.—The tenth annual report in connection with the work of the Pricing Bureau during 1925 has recently been issued, and among the statistics is the following:—The number of prescriptions issued during 1921 amounted to 1,929,456, cost £78,411 2s. 9d.; 1922, 2,227,761, cost £82,522 2s. 6d.; 1923, 2,404,990, cost £85,158 2s.; 1924, 2,763,165, cost £100,805 17s. 6d.; 1925, 3,068,222, cost £111,729 12s. 8d. The scripts referred back to chemists form a very small percentage of the total, the number for 1925 being 3,861. A comparison of the average cost per prescription and the cost per insured person on lists showed:—

Year	Ingredient prices	Dispensing fees	Cost per prescript	Cost per person	Frequency per person
	d.	d.	d.	d.	
1921 ..	4.34	5.42	9.76	25.40	2.62
1922 ..	3.97	4.92	8.89	26.87	3.02
1923 ..	4.00	4.51	8.51	24.34	3.15
1924 ..	4.28	4.48	8.76	31.82	3.63
1925 ..	4.27	4.47	8.74	34.10	3.90
Compared with 1916	+ .51	1.63	2.14	16.73	1.26
Increase	= 13.56%	57.39%	32.42%	96.31%	47.73%

The number of dispensing chemists on the panel list, July 1, 1925, was 757. During the year 361 articles were disallowed, including eye shades, camel hair brushes, throat brushes, glass nasal douche, medicine droppers, eye pipettes, glass syringes, trusses, finger stalls, elastic stockings, elastic knee caps, elastic anklets, vaccination pads, Yeo inhaler, Fehling's solution, rubber tubing, flat feet socks, atomisers, pneumonia jackets, bed pan, corn rings, virol and milk, Benger's food, sanatogen, Valentine's meat juice, thermogene and capsicum wool. The cost of pricing per 1,000 prescriptions was:—1921, £1 10s.; 1922, £1 0s. 3d.; 1923, 17s. 1½d.; 1924, 19s. 9 17-20d.; 1925, 17s. 7½d.; 1926 (estimate), 16s. 6d. There were issued 2,539 insulin prescriptions for 875 patients, cost £684 7s. 5½d., compared with, in 1924, 2,539 for 632 patients, cost £855 8s. 2d. Vaccines and serums during 1925 were ordered on 811 prescriptions for 675 patients, at a cost of £254 5s. 4d. Statistical data relating to the total prescriptions issued in the various areas during the year 1925:—

Committee	Total prescripts	Average cost per prescription		No. of insured persons	Frequency per person	Av. cost per person
		Ingredients	Dispensing fees			
		d.	d.			d.
Birkenhead ..	177,242	4.32	4.37	48,810	3.63	31.54
Bootle	95,665	3.6	4.48	25,275	3.78	30.84
Cheshire ..	848,685	4.99	4.41	205,747	4.12	38.80
Chester ..	45,587	5.59	4.40	14,208	3.21	32.08
Liverpool ..	1,109,957	4.02	4.49	286,940	3.87	32.94
St. Helens ..	132,680	3.64	4.52	39,485	3.36	27.43
Southport ..	72,922	4.20	4.68	25,709	2.84	25.18
Stockport ..	250,000	3.71	4.61	52,183	4.79	39.83
Wallasey ..	63,840	4.30	4.59	22,121	2.89	25.65
Warrington ..	122,993	3.65	4.38	29,063	4.23	33.96
Wigan	148,646	3.92	4.45	36,909	4.03	33.71
1924	2,763,165	4.28	4.48	760,436	3.63	31.82
1917	1,609,463	3.69	2.79	614,679	2.57	16.68

West Ham.—At a meeting of the Insurance Committee, on October 4, the Pharmaceutical Committee reported on a number of cases of drug tests, and in one case a chemist who had made an error in dispensing

an ammon. carb. mixture was recommended to be cautioned. Dr. Challens pointed out the unstable nature of ammon. carb. and the great difficulty on that account of securing perfectly accurate dispensing of the drug. The chairman said that out of thirty-two tests so far taken, only seven results required investigation and report, and in not one instance had there been discovered any evidence of substitution. The report was adopted.

Worcestershire.—At a meeting of the Insurance Committee on September 25 a report was presented by the Pharmaceutical Service Subcommittee relating to the analysis of drugs and appliances. A chemist whose dispensing showed certain deficiences had undertaken to ensure accuracy in dispensing. Another sample analysed was 204 minims of "eye drops," which should have contained 3 gr. of "cocaine hydrochlor." and 2 gr. of "zinci sulph." The first half sample was certified to contain 17 per cent. excess of the first ingredient and 64 per cent. excess of the second. The chemist admitted his error, which he attributed to a slight fault in the dispensing scales. The Subcommittee had asked the chemist to undertake to have his scales tested at least once a quarter in future. The chairman added that comparatively few mistakes were made by the chemists. Another chemist, whose mixture was inaccurate, stated that the lady dispenser had been away on sick leave, and he undertook in the future to ensure accuracy. The Committee recommended that the explanation be accepted. Mr. Jones asserted that a lenient view had been taken of the deficiencies all through the year. The Chairman replied "No," and said that they had taken a very serious view in some cases. They had been satisfied with a chemist's promise for accuracy in the future, and had not considered it necessary to try to catch a chemist in order to prosecute him. Mr. Hobson, Chairman of the Committee, said that his Committee moved that the chemist's analyst should be an independent public analyst and not one connected with his own business. He added that they had had one case where a chemist employed his own analyst. The recommendations were adopted.

Wrexham.—At the annual meeting of the Association of Welsh Insurance Committees, recently, it was stated that the number of prescriptions issued for drugs during 1925 was nearly two and a quarter millions, and the cost nearly £80,000. Assuming that each prescription meant a bottle of medicine weighing 8 oz., the insured persons had consumed 113,000 gallons of medicine during the year. Mr. Griffith J. Jones, Newport, was elected President.

Yorkshire.—At a meeting of the West Riding Insurance Committee on September 30 the Pharmaceutical Service Subcommittee reported unsatisfactory dispensing by four chemists. In two instances the explanation appeared to be that acid had lost strength. The chemists involved had appeared before the Subcommittee and they had been warned to be more careful in future; in addition, fines had been imposed.

SCOTLAND

Caithness.—At a recent meeting of the Insurance Committee it was stated that the number of insured persons was practically stationary, but more prescriptions were being given by the doctors. In June this year there were 700 prescriptions, May 752, and April 882, the figures for last year being June 586, May 618, and April 688. Dr. Ashe (Thurso) stated that people were taking more drugs, while the chairman observed that doctors in the south were requiring more drugs than in the north.

Drug Accounts Committee.—An interesting report on the work of the Drug Accounts Committee was submitted at the annual conference of Insurance Committees, held this year at Aberdeen on September 24 and 25. During 1925 the number of prescriptions showed a decrease of 52,685 forms when compared with the previous year (*C. & D.*, April 17, p. 574). The number of chemists' accounts have increased yearly, the totals for the past five years being: 1925, 21,697 accounts; 1924, 21,004; 1923, 20,309; 1922, 19,364; 1921, 18,837. The number of disallowed and postponed prescriptions for the same period was: 1925, 13,698; 1924, 14,372; 1923, 12,468; 1922, 11,688; 1921, 11,354. Attention was directed to the need for deputy practitioners to write the name of the principal on the prescriptions as well as his own signature. A comparative statement was given, showing the number, value and average price per prescription form for the whole of Scotland during the past ten years. The average cost of 0.357d. per form for pricing and scrutinising prescriptions, preparing accounts, etc., in 1925 is 0.034d. higher than in 1924, which showed the lowest average cost for the previous ten years. A tabular statement from July 1923 to June 1926 showed that during these three years insulin costing £2,650 8s. 1d., £2,535 9s. 6½d., and £3,668 19s. 9d., was prescribed. The cost of codeine pills for one insured person from 1919 to June 1926 was £22 19s. 2½d., the number of pills supplied being 7,740. During the period July 1925 to June 1926 one insured person received 175½ lb. of ointment containing boric acid, costing £26 9s. 8d., and is still under treatment. Vaccines and serums in 1925 cost £561 5s. 9½d. In 1923 the cost was £241 8s. 7d. (1924 figures are not given). A tabulated statement showed the cost in each burgh and county and the value of the various types of vaccines and serums used.

Dundee.—At a recent meeting of the Medical Benefit Subcommittee a letter was submitted from the Scottish Board of Health containing the names of twenty practitioners whose prescribing costs had continued high over a period of years, and suggesting that a special investigation might be undertaken by the Panel and Insurance Committees. A letter was read from the secretary of the Panel Committee stating that his committee had already dealt with eleven of the practitioners, and was making investigations of the prescribing of the remaining nine. It was agreed to defer further consideration of the matter until a final report was received from the Panel Committee. The total cost of prescriptions during 1923-25 was as follows:—1923, £7,094; 1924, £9,615; 1925, £10,725.

Moray and Nairn.—At the quarterly meeting of the Insurance Committee, over which ex-Lord Provost Wilson, Elgin, presided, it was reported that the drug bill for the past four months (April to July) amounted to £469 5s. 7½d. A letter was read from the Scottish Board of Health with reference to the apparent high cost per person of the prescribing of certain practitioners in the area, and inquiring whether the Committee, after investigation, found any justification for these high costs.

Business Changes

MR. E. G. CHEETHAM, chemist and druggist, (G. Cheetham, Ltd., chemists, 21 Mercer Row, Louth), has acquired the business of Mr. J. J. Wells, chemist and druggist, High Street, Mablethorpe.

SOUTHALL BROS. & BARCLAY, LTD., Birmingham, have opened a buying office for druggists' sundries at St. Michael's House, Basinghall Street, London, E.C. Telephone: London Wall, 5665. A buyer will be in attendance each Monday.

HEPPELLS, LTD., have opened a new pharmacy at 6 Devonshire House, Piccadilly, London, W.1. To commemorate the event a beautifully produced souvenir has been prepared. This gives an illustrated account of the new Devonshire House, which has just been completed.

RUSSIAN OPIUM MONOPOLY. — The Central Executive Committee of the U.S.S.R. has promulgated a law making the preparation and sale of opium a State monopoly throughout the territories of the Soviet republics. A special section, known as the Akospo, has been created in the medicinal department of the Supreme Economic Council, to which is entrusted the purchase and distribution of opium; also all crude opium produced in Soviet Russia must be delivered to the Akospo. Special regulations are to be issued shortly concerning the conditions under which the cultivation of opium may be undertaken.

North Irish Pharmacists

THE annual meeting of the North Irish Pharmacists' Association was held on October 13, in the offices of the Pharmaceutical Society of Northern Ireland, Belfast, the retiring President (Mr. R. I. Edwards) in the chair. There was a large attendance, the country districts being specially well represented. In opening the proceedings the President expressed pleasure at seeing so many present. He regretted they had to record the death of two more of their members—Mr. George W. Hawthorne and Mr. David John Patterson. To the widows they had sent an expression of their deep sympathy. The sudden and tragic death of Willie Stevenson, son of Mr. William J. Stevenson, and secretary of the Ulster Retail Drug Trade Association, had also caused profound sorrow and deep sympathy among all their members. He expressed the thanks of himself and their Committee to the Pharmaceutical Council, through Mr. Todd, their President, for the use of the Council chamber that evening. At a recent Committee meeting the desire of the members was that an invitation be sent to all those druggists who had recently passed the new qualifying examination to join with them to-day. In the name of the Committee he gave these gentlemen a hearty welcome. The secretary submitted his report, which he explained was for six months, as they had decided to bring their year into line with the year of the Pharmaceutical Society of Northern Ireland. Two hundred and fifty circulars had been issued and the membership had increased from 133 to 178. He wished to thank especially Mr. J. R. Guiler and Mr. Breakey, of Messrs. J. & J. Haslett, and Mr. Madden, of Messrs. Thos. McMullan & Co., Ltd., for their work in the way of getting in members and subscriptions. Mr. David Henderson, in the absence of Mr. A. Wilson (treasurer), submitted the financial statement, which showed a substantial balance to credit. The President, in moving the adoption of the reports, said they were very satisfactory. He expressed his thanks to the secretary, their treasurer, and the members of Committee, who had helped to make his year of presidency a pleasant and happy one. He thanked also all the pharmacists of Northern Ireland who had become members of the N.I.P.A. and Pharmaceutical Society of Northern Ireland. Their having done so was reflected in the Pharmaceutical Council election just passed, when they returned triumphantly the four retiring members, Messrs. Connor, Dundee, Hardy and Maxwell, thus showing their confidence, trust and wise discretion in voting for members who had given many years of untiring service on behalf of the pharmacists of Northern Ireland. In connection with the Jury Laws Amendment Bill, pharmaceutical chemists, duly registered, who were the proprietors of a business, and who have in their employment no duly qualified person or persons to assist them, could get exemption by making a written application to Mr. Andrew Alexander, Rates Department, City Hall, Belfast. That was for 1928 as the 1927 Jury Book was out, but for 1927 they could get exemption from the Under-Sheriff of Belfast, Mr. Quail. The report and statement of accounts were afterwards adopted.

ELECTION OF OFFICERS

Mr. J. C. Culbert proposed the re-election of Mr. Edwards as *President*, and Mr. W. J. Hardy seconded. The motion was passed by acclamation. On the motion of Mr. Culbert, seconded by Mr. J. McDowell, Mr. J. Taggart, Crumlin Pharmacy, was unanimously re-elected *Secretary*. The President referred with regret to the resignation of Mr. A. Wilson from the treasurership on the ground of ill health. He was one of the foundation members of the Association and had served it well. Mr. Dundee mentioned that Mr. Wilson had returned from Harrogate and was very much better in health, though he did not expect to be much at business for some time. He moved that Mr. J. McDowell, who was formerly their secretary, be the new *Treasurer*. Mr. H. Lancashire, J.P., seconded the motion, which was agreed to. Mr. Taggart moved the re-election of Messrs. Jas. Guiler and David Henderson as *Auditors*, which was passed. The following *Committee* was appointed :—Country members : Messrs. John Hall (Larne), Jas. Walker (Ballynahinch). City members : Messrs. John Adams, A. Morris, S. McLoughlin, S. J. Hudson, H. F. Moore, W. J. Busby, R. Kells, and F. P. Armstrong. It was proposed by the President and seconded by Mr. Adams that the pharmaceutical members of the Council of the Pharmaceutical Society of Northern Ireland be Vice-Presidents, this being the rule adopted at the previous annual meeting. A question arose as to whether this rule included Mr. Joseph Moffet, who had now become a pharmaceutical chemist at the last examination, although he represented the druggists' interests in the Council, having been nominated as such. Mr. Moffet said he had no intention of becoming a Vice-President at the present time. He had other interests to look after. After further discussion, the old list of Vice-Presidents was retained, viz. : Messrs. S. S. Badger, J.P., J. E. Connor, J.P., A. C. McBride, J.P., W. J. Hardy, J. C. Culbert, H. Lancashire, J.P., John Maxwell, W. S. Taylor, H. Todd, J.P., and A. Wilson.

DISCUSSION

The President, in opening a discussion, impressed on the newly qualified pharmacists the importance of the schedule and coding. He expressed satisfaction at the facilities being offered in Belfast for apprentices, and also that arrangements were being made towards the same end in various parts of the country. Mr. J. C. Culbert congratulated the Association on the return of the four official members at the election. There was hardly time to send out circulars until they were faced with the thunderbolt of the unofficial candidates. (Laughter.) It emphasised the necessity for closer co-operation among the chemists in the future. Mr. Culbert made a lengthened statement on the finances of the Pharmaceutical Society, and said that the members of the Association would urge on the Council the necessity for economy. Dealing with the question of reciprocity, he said they were at one on the matter so far as it affected the Dominions, including Southern Ireland. With regard to Great Britain he was not so sure. No sound argument had yet been advanced showing what benefits would accrue from reciprocity with Great Britain. If they had it would they be satisfied with the chemists' and druggists' diploma? Great Britain, they might be sure, would not grant the Ph.C. diploma. No person holding the modified Northern Ireland certificate could get reciprocity. It would only, so far as he knew, be applicable to those with the full certificate, but he was open to correction on that. The President asked if there was a demand for reciprocity with Great Britain in the Council or outside. Mr. Culbert : There has been a certain amount of talk about it. Conversation might be crystallised into some definite statement of policy at a meeting of this sort. Mr. R. H. Kerr advocated reciprocity with Great Britain. At the present time there was nothing to hinder a firm like Boots coming to Northern Ireland. All they would have to do would be to establish a company and put in a qualified man or manager. As to whether or not they would be flooded out with cheap chemists if there was reciprocity time alone would show. He thought there were advantages to be gained by reciprocity. The chemists' and druggists' examination in Great Britain was the full equivalent of that in Ireland. Educationally, they would have something to gain from Great Britain as well as in other ways. Mr. Dundee spoke against reciprocity with Great Britain, and Mr. Giff took a similar view. He held that there was no evidence that it would be of any use to them at the present time, and no argument had been put forward in its favour. After further discussion, Mr. Culbert moved and Mr. Dundee seconded that the consideration of the question be adjourned *sine die*. Mr. McDowell moved an amendment that a special meeting be called to discuss the matter later on. Mr. Hardy said that there was no notice of the intention to discuss the matter appearing on the agenda, and he objected to them coming to any decision that day.

Eventually the President said he thought it would be better to await further information on the subject, and he declined to put either the motion or the amendment to the meeting, after which the matter dropped.

Pharmacy Boards

Their Organisation and Powers

(*Concluded from the C. & D., October* 16, *p.* 606)

Western Australia

The Poison Sale Act of 1879 placed restrictions on the sale, including the keeping of open shop for the retailing, dispensing or compounding of certain poisons, without demanding any qualifications from the persons handling them beyond the possession of a licence issued by a magistrate. In 1892 the Pharmaceutical Society of Western Australia was founded as a voluntary association, and two years later the Pharmacy and Poisons Act (1894) stipulated that the Pharmaceutical Society, now established by law, should retain its name, all pharmaceutical chemists automatically becoming members on registration. The management of the Society was entrusted to a Council consisting of a president and six other members, under the style of the Council of the Pharmaceutical Society of Western Australia, the members being elected every three years by all registered pharmaceutical chemists, i.e., by the members of the Society. The functions of the Council included the appointment of a registrar, the holding of examinations, and the granting of certificates of registration. This Act also contained a provision to the effect that only the holder of a licence granted by the Council was entitled to sell scheduled poisons; no such licence was to be granted to any person other than a pharmaceutical chemist, except in places at least 20 miles from the nearest pharmacy. Amending Acts were passed in 1899 and 1903, the latter making it an offence, under a penalty not exceeding £50, or imprisonment for any term not exceeding twelve months, for any person other than a registered pharmaceutical chemist, or a legally qualified medical practitioner, to carry on the business of a chemist and druggist, or to assume or use a title implying that he is qualified as a pharmaceutical chemist. These three Acts were repealed with the passage of the Pharmacy and Poisons Act Compilation Act in 1910, embodying the Pharmacy and Poisons Act, 1910. This Act declares the Pharmaceutical Society already established in the State to be the Pharmaceutical Society of Western Australia, and all registered pharmaceutical chemists shall be members thereof. The Society shall be managed by a Council consisting of a president and six other members, under the style of the Council of the Pharmaceutical Society of Western Australia, holding office for a period of three years. At the expiry of every succeeding three years the pharmaceutical chemists registered under this Act elect seven persons to form the Council, only pharmaceutical chemists being eligible for election. At the first meeting of the newly elected Council the members elect one of their number to be president for the three years' period. The Governor is empowered to remove the president or any member of the Council. The latter may appoint a registrar, and other officers necessary for carrying out the provisions of this Act; it is entitled in its own name, by its registrar or any person authorised under the hand of the president, to commence, carry on, prosecute, and defend any action or proceeding whatsoever, both civil and criminal. If any pharmaceutical chemist is convicted of any offence which, in the opinion of the Council, renders him unfit to practise as a pharmacist, the Governor may, upon the application of the Council, order his name to be erased from the register. The Council is empowered to accept certain certificates as a qualification for registration, also to control and direct all examinations they may think fit for the purposes of this Act, in practical pharmacy, chemistry, botany, materia medica, the Latin language, and such other subjects as may be prescribed by the regulations. Part V of the Act regulates the sale of poisons. Licences to sell scheduled poisons are issued by the Council only to pharmaceutical chemists, except in places distant at least five miles from the nearest pharmacy, when a licence may be granted to a person producing a certificate signed by the police or resident magistrate, and a qualified medical practitioner. Any person other than a pharmaceutical chemist in charge or possession of any poison who leaves it in any place (whether the same be ordinarily accessible to others or not), unless the container is marked "Poison" (in letters not less than $\frac{3}{16}$ in. in size, and its name), shall be liable on conviction to a penalty not exceeding £20. Section 36 lays down that no person other than: (*a*) A pharmaceutical chemist; (*b*) a person or a company registered under the Companies Act, 1893, or a registered friendly society carrying on the business of a chemist and druggist by and under the personal supervision of a pharmaceutical chemist; (*c*) a legally qualified medical practitioner, shall carry on the business of a chemist and druggist. Further, no person other than a pharmaceutical chemist, or a legally qualified medical practitioner, may assume or use the title of pharmaceutical chemist, pharmaceutist, pharmacist, chemist and druggist, dispensing druggist, homœopathic chemist, or other words of like import, or use or exhibit any title, term or sign which can be construed to mean that he is qualified as a pharmaceutical chemist. The penalty for every offence against these provisions is a fine not exceeding £50, or imprisonment for any term not exceeding twelve months. No pharmaceutical chemist or legally qualified medical practitioner may carry on the business of a chemist and druggist, or assume any of the above-mentioned titles, unless the business is conducted by and under the personal supervision of himself, or of an assistant who is a pharmaceutical chemist or a legally qualified medical practitioner. No order, judgment, warrant or other proceeding made concerning the conviction of any offender against this Act shall be quashed or vacated for want of form only, or be removable by *certiorari*, or by a writ or process whatsoever into any superior Court of the State. No person shall be liable to any penalty for selling any patent or proprietary medicines in any place which is at least 20 miles distant from the nearest pharmacy.

New Zealand

While the Sale of Poisons Act of 1866 placed restrictions on the sale of certain poisons, that of 1871 provided for the appointment of registrars in each province to register, without fee or reward, any person who wished to sell or keep open shop for retailing, dispensing, or compounding poisons, on application personally or by registered letter. However, in both Acts no reference whatsoever was made regarding the qualifications of a vendor of poisons. Such was the position when the first Pharmacy Act was passed in 1880, which made provision for the establishment of a Pharmacy Board, consisting of seven members elected for a period of three years by the registered pharmaceutical chemists of New Zealand. The Board was empowered to appoint a registrar, deputy-registrar, and other officers, accept certificates of competency, and conduct examinations. One section of this Act provided that all duly registered medical practitioners shall on application be entitled to be registered as pharmaceutical chemists. An amending Act was passed in 1887, and in 1898 the law relating to pharmacy was consolidated for the first time, and again in 1908, following the enactment of amending Acts in 1899 and 1902. The Pharmacy Act of 1908 incorporates all registered pharmaceutical chemists in the Pharmaceutical Society of New Zealand, declared to be a body corporate with perpetual succession and a common seal. The affairs of the Society are managed by a Board, called the Pharmacy Board of New Zealand, consisting of ten elected members of the Society—four from the central district, i.e., the district within which the headquarters of the Society are situated, as voted for by a majority of the members, and two for each of the three other districts. The Board directs and controls all examinations, grants certificates of qualification to holders of certain specified diplomas—including qualified medical practitioners—entitling them to be registered as pharmaceutical chemists and keeps a roll of all managers and shops under the control of managers. The Society derives its funds from the examination and registration fees payable to the Board, and in addition every registered chemist has to pay an annual membership fee of £1 1s. (Pharmacy Amendment Act 1922). The Pharmacy Amendment Act of 1912, *inter alia*, extended the word "person" to include a corporation and a friendly

society, and made it an offence for the proprietor or manager of a pharmacy, or a registered chemist, to give or offer to any medical practitioner any monetary gift or other consideration as commission on prescriptions, or to supply any medical practitioner with prescription forms or envelopes having thereon any notification referring to the chemist's place of business. The enactments passed in 1871, 1895, 1900, and 1902 dealing with the sale, importation, and carriage of poisons are consolidated in the Poisons Act of 1908, and it is interesting to note that the New Zealand legislation treats the sale of poisons as a matter apart from pharmacy, the Pharmacy Board having no control over the Poisons Act. This latter retains the essential feature of the measure passed in 1871: the Governor, by warrant under his hand, appoints persons to be registrars under this Act; each registrar must have an office and keep a register of the names and addresses of vendors of poisons in the district to which he is assigned. Any person who wishes to sell, or keep open shop for retailing, dispensing, or compounding (scheduled) poisons may be registered, without fee or reward, on application to the registrar of his district personally or by registered letter. Failure to comply with this stipulation renders the offender liable to a fine not exceeding £5; however, registered medical practitioners are exempted from this obligation, and need not be registered under this Act.

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Saturday, October 30

Brewers' and Allied Traders' Exhibition and Market, Royal Agricultural Hall, London, N.1. Daily until November 5.

Monday, November 1

Hull Chemists' Association and Branch of Pharmaceutical Society, Wedgwood Room, Pavolny's Restaurant, at 8 p.m. Mr. F. A. Lawman (chairman of the Vinolia Co., Ltd.) on "The Quest for More Custom."

Society of Chemical Industry (London Section), Burlington House, Piccadilly, W.1, at 8 p.m. "Artificial Colours used in Foodstuffs," by Dr. Herbert Drake-Law.

Tuesday, November 2

Pharmaceutical Society of Great Britain (Ipswich and Suffolk Branch), Church Institute, Tower Street, Ipswich, at 8 p.m. "First Aid for Pharmacists," by Dr. J. Hossack.

Royal Institution of Great Britain, 21 Albemarle Street, London, W., at 5.15 p.m. "Acoustics of Public Buildings (Tyndall Lecture I)," by G. W. C. Kaye, D.Sc.

Royal Society of Arts, John Street, Adelphi, London, W.C., at 4.30 p.m. Sir Stanley Bois on "The Importance of Rubber in the Economic and Social Progress of the World."

Wednesday, November 3

Birkenhead and Wirral Pharmacists' Association, The Rooms, Grange Road West, at 8.30 p.m. Discussion on pharmaceutical topics.

"Bubbles" Social Club (A. & F. Pears, Ltd.), Wharncliffe Rooms, Hotel Great Central, Marylebone Road, London, W., at 7 p.m. Opening of season dance.

Pharmaceutical Society of Great Britain, 16 Bloomsbury Square, London, W.C., at 11 a.m. Council meeting.

Thursday, November 4

Chemical Society, Burlington House, Piccadilly, London, W.1, at 8 p.m. Ordinary scientific meeting.

London Chemists' Sports Club and Script Sports Club, Hotel Cecil, Strand, W.C., at 6.30 p.m. Annual dinner. Dancing from 10 p.m. to 1 a.m. Tickets (12s. 6d. each) from the secretaries, Messrs. W. E. Swanston and J. Hearle. Evening dress.

Pharmaceutical Society of Great Britain (Gloucester Branch), Botherways' Café, at 7.30 p.m. Lantern lecture by Mr. Bouchier, Bristol.

LONDON (WESTERN) PHARMACISTS' ASSOCIATION.—The annual dinner will be held at the Restaurant Frascati, Oxford Street, W., on November 10. Reception by President and Mrs. Bonner at 6.30 p.m. Evening dress. Tickets (12s. 6d. each) from Mr. W. B. Falding or from members of the Committee.

THE ANNUAL CHEMICAL DINNER will be held at the Connaught Rooms, Great Queen Street, London, W.C.2, on November 12, at 7 p.m., when ten bodies associated with chemistry will participate. Professor F. G. Donnan, F.R.S., will preside. Dancing from 9.15 until 12. Tickets (12s. 6d. each) from S. E. Carr, The Chemical Society, Burlington House, Piccadilly, W.1.

Associations' Winter Session

Belfast.—The Chemists' and Druggists' Society of Ireland held a committee meeting in the rooms, 11 Waring Street, on October 11. The following were present:—Mr. Fred Storey (President), W. J. Rankin, W. E. Wilson, E. Roberts, W. J. Gordon, J. E. McRoberts, Saml. Suffern, D. Taylor, J. MacAuley, C. Abernethy, and J. Moffet (secretary). Arrangements were made for the winter session, and a special class in pharmacy and practical pharmacy was arranged for Thursday nights at a small fee. Mr. Storey moved a vote of sympathy to the widow of the late James O'Neill, J.P., Maghera, a Vice-President of the Society, stating that Mr. Moffet (the secretary) and he had attended the funeral. Mr. Rankin, sen., seconded.

Birmingham.—The annual general meeting of the Birmingham Pharmaceutical Association was held on October 18, Mr. E. C Bennison (President) in the chair. The annual report and accounts, as circulated, were adopted. The council for the ensuing year was declared to be constituted as follows: Miss F. H. Finney, Messrs. J. W. Atkinson, E. C. Bennison, H. Berry, J. W. Bland, H. Buckingham, H. J. Callow, T. H. Foden, A. E. Harris, G. Knowles, E. W. Mann, H. H. Marshall, T. W. Peck, J. Poole, H. Rigg, W. Shakespear, M. Smith, C. V. Thompson and W. H. Whittock. The following committees were elected:—*Education:* Messrs. Alcock, Berry, Knowles, Mann, Rigg and Shakespear; *Programme:* Messrs. Callow and M. Smith, with the President, Vice-President and secretary. The secretary was asked to make representations to the Pharmaceutical Society in favour of the co-option of Mr. H. M. Lloyd to a seat on the Council. Votes of thanks were accorded to the President and secretary for their work during the past session.

Cardiff.—At a meeting of the Cardiff Pharmacists' Association, held recently, the question of supporting a local candidate at the next Pharmaceutical Council election was considered. Mr. S. W. Hague, Cardiff, was invited to address the meeting. In introducing Mr. Hague, the President (Mr. Thos. Lewis, Ph.C.) emphasised the necessity of having Welsh representation at headquarters. Mr. S. B. Eason afterwards proposed that Mr. S. W. Hague be adopted as the local candidate, and this was agreed to. Mr. Malcolm Davies, Ph.C., one of the Association secretaries, was congratulated upon his appointment as lecturer in pharmaceutics at the Welsh College of Pharmacy, and Mr. A. S. Johnson on being appointed a member of the Statutory Committee of the Technical College.

Chesterfield.—The annual meeting of the Chesterfield Pharmacists' Association and Branch of the Retail Pharmacists' Union was held on October 13. Mr. John Hague, Lincoln (member of the Executive), gave an address on *Does the R.P.U. Function?* after which the members sat down to tea.

Dublin.—Complaint in regard to home-made bottles was made by Mr. John Smith, presiding at the annual meeting of the Dublin and Provincial Retail Drug Association. The bottle tax pressed very hard on them, and it should be modified, he said. When the tax was put on they understood that the local bottle manufacturers would be able to supply all the wants of chemists, but the samples they had got were "monstrosities"—badly made and absolutely incorrect in measurement. Their membership included 355 business establishments, and there were 43 new members. A most thorough and satisfactory propaganda had been carried on throughout the country They were out to stabilise prices and make them uniform and to make a living profit. They found everywhere their members were optimistic and keen. Dr. Mitchell, proposing a vote of thanks to the President, which was passed, said if they had not such an association there would be such price cutting that they would not be able to make ends meet. The Committee were unanimously re-elected.

Ealing.—A meeting of the Ealing Pharmacists' Association, with the Ealing Branch of the Pharmaceutical Society, was held on October 19, the Vice-President (Mr. R. J. Morton-Sennitt) in the chair. The secretary was asked to convey the Association's congratulations to

Mr. Lawman (President) on his appointment to the Port Sunlight Management Board. The Vice-President mentioned that a special cash prize and a copy of the British Pharmaceutical Codex would be awarded to the first student-associate in Ealing who secures one or other of the established pharmaceutical scholarships, and asked pharmacists to urge apprentices or junior assistants to enter for these scholarships. He also appealed for support for the Benevolent Fund of the Pharmaceutical Society. Mr. Lawman had promised to make up the amount to the next complete pound. The Vice-President then introduced Professor H. G. Greenish, F.I.C., F.L.S., who gave an illustrated lecture on *Drugs*. Professor Greenish had an excellent collection of lantern slides, and dealt mainly with the commercial side of his subject, showing how the raw drugs arrived at the ports, unloading, sorting and grading, and the drug sales. A collection made for the Benevolent Fund realised £1 2s. 3d.

Edinburgh.—The annual meeting of the Edinburgh Chemists' Trade Association was held at 36 York Place on October 21, Mr. J. B. Mitchell (chairman) presiding. Mr. J. S. B. Heddle (treasurer) submitted the financial statement, showing a satisfactory balance. The chairman said a proposal had been made that the Association should approach the Edinburgh Corporation to extend the 7 p.m. closing order during the Christmas and New Year period to 8 p.m. After a discussion, a large majority decided to take no action in the matter. The following office-bearers were then elected for the ensuing year: *Chairman*, Mr. John Noble; *Vice-Chairman*, Mr. John Hall; *Secretary*, Mr. James J. Adamson, 16 St. Mary's Street; *Committee*, Messrs. Girdwood, Houston, Muir, Thomson, Turnbull, and White. At the request of the chairman, Mr. J. Rutherford Hill then gave an explanation of the situation created by the appointment by the Lord President of the Council of a Departmental Committee to inquire into the whole scope and administration of the Poisons and Pharmacy Acts. Three representative pharmacists had been appointed members of the Committee, and the Society had been invited to submit evidence. The Council had gone into the whole matter with great thoroughness, and no effort would be spared to so inform and guide the Departmental Committee as to secure that the real interests of the public in the matter, which were also the interests of qualified chemists, would be fully appreciated, and, it was hoped, placed on a firmer foundation than ever. There could be no doubt, however, that many critical points would arise. Various competing interests of a sectional character would claim to be heard, and the Council of the Society would have to rely upon the support of every member of the craft.

Leicester.—The opening meeting of the session of the Leicester and Leicestershire Branch was held in the College of Technology recently, Mr. A. E. Young in the chair. An address was given by Mr. G. F. O'Riordan, B.Sc., on *The Pharmaceutical Educational Needs in Leicester*. He outlined the progress already made, emphasising the close co-operation which exist between the branch of the Society and the College of Technology. He also described the recent development in the teaching of botany, and appealed for assistance in equipping this department. The members afterwards visited the new botanical room, the chemical laboratory, and materia medica departments, where the students were busy at work learning the habitat natural orders, etc. Mr. A. E. Young presented to the Pharmacy Department the books of reference given to the branch during the British Pharmaceutical Conference, and Mr. Young gave a short address to the pharmacy students, presenting, on behalf of the local branch, cheques to the successful students who had attained the highest number of marks in their terminal examinations as follows: First year students, (1) H. Ward, £1 1s.; (2) G. Whitmore, 10s. 6d. Second-year students, (1) E. H. Ward, £2 2s.; (2) F. G. Butli, £1 1s. The Pharmaceutical Society Prize of the B.P. Codex was presented to E. H. Ward, the student associate who had attained the highest number of marks.

Liverpool.—At a meeting of the Liverpool Chemists' Association, held on October 20, an address was given by Mr. H. N. Linstead (secretary of the Pharmaceutical Society). The President (Mr. J. L. Hirst), in welcoming Mr. Linstead, said they could assure him that Liverpool's good wishes and support would be given him. (Applause.) Mr. Linstead thanked them for their kind welcome. Chemists, he said, did not seem to realise that pharmacy was at the cross roads—the same cross roads as in 1868. Pharmacy just now was in an extraordinarily difficult position, and they must be ready to put in a great deal of work. Mr. Linstead went on to deal in a lucid manner with the present problem that had to be faced and the matters that were being placed before the departmental committee, which was inquiring into the ramifications of pharmacy, and asked for suggestions that might be helpful to counteract any move that might be to the disadvantage of pharmacists. He also pointed out what the society was doing in the matter. Mr. Humphreys Jones, in proposing a vote of thanks to Mr. Linstead, said he felt that there was an air of confidence reigning, and he hoped that Mr. Linstead would be able to go up and down the country with a similar message. Pharmacists as a body had done their work extremely well; they had often sacrificed their pockets to do their duties, and he hoped that would be brought home to the committee. Mr. Snow (Birkenhead) seconded the motion, which was carried amid applause, and said Mr. Linstead was "quite a live wire." Mr. F. A. Lawman said pharmacists had been accused of having too narrow a view, and he thought it was very good to learn that the society was prepared to take the long view. Messrs. Josty, Ashcroft, Evans and Tristram also spoke. On the proposition of Mr. H. Wyatt, on behalf of the Council, seconded by Mr. Ashcroft, Mr. Hirst was nominated President of the Association for the third year in succession. Mr. Wyatt said Mr. Hirst had done his work splendidly and was an ideal man for the position. Mr. Hirst, in accepting the invitation, said he very much appreciated the honour, and asked the members for their support, without which, he said, he could do nothing.

Public Pharmacists.—A meeting of the Guild of Public Pharmacists was held on October 20 at Bloomsbury Square, London, W.C. Mr. F. E. Bullen (Vice-President) occupied the chair. The secretary reported receipt of a donation to the funds of the Guild from a Birmingham public pharmacist and the re-election of Mr. Hocking, B.Sc., Ph.C., Mr. Bullen and Mr. Langford Moore, F.C.S., as *President*, *Vice-President*, and *Treasurer* respectively. Mr. Hocking then gave an address on *The Public Pharmacist*. After reviewing the educational requirements and existing facilities for the technical training of pharmacists, he held that these facilities were inadequate, and that in only a few instances was it possible for the neophyte to obtain a training which would even enable him to pass the examinations if the present curriculum were insisted upon. His own experiences had taught him that the requirements of a public pharmacist who had ambitions which were not satisfied by anything short of the headship at a large hospital necessitated for their realisation hard work, applied so that there is obtained a mastery of hospital pharmacy in all its branches, a degree in science, other than that of pharmacy, and a complete knowledge of the commercial side of the calling; this, given a willingness to work congenially with the officials in other departments, was the most likely way of gaining recognition as a valuable servant of his institution and of obtaining adequate reward. In criticising the paper, Mr. Peck said the pharmaceutical syllabus and hours compulsorily spent in study did not represent anything like the time required for qualification nor its true educational value. He was of the opinion that remuneration was insufficient, so much so that on the score of expense alone a son could not be trained to follow in his father's steps under present conditions. He proposed that the discussion should be adjourned to the November meeting. Mr. Langford Moore said that he should like to have an opportunity of considering the matter before discussing it, and would second the proposition, which was carried unanimously. The secretary (Mr. A. H. Jenkin) then gave a short address on *Silica in Nature*.

Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling, packing, etc. Qualities of chemicals, drugs, essential and fixed oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C.4, October 28.

THERE is little change in Mincing Lane market conditions, business for the most part being of meagre description and for current requirements only. Among crude drugs, ergot has been sold at "famine" prices on the spot, but for shipment, prices from Spain are easier. Copaiba has sharply advanced in sympathy with primary markets, and spot stocks are now extremely small. Alexandrian senna pods should be easier in view of arrivals. Opium remains firm. Menthol has been in rather more demand at cheaper prices. Matto Grosso ipecacuanha remains very firm. Caraway, coriander and fenugreek seeds are dearer. Among the essential oils there are few changes in price to record. Penang patchouli is scarce and dearer. Bergamot has advanced. Copaiba and wormwood are dearer. Cubeb oil is cheaper. American peppermint is steady, but Japanese is cheaper. Continued unsettled conditions prevail in the pharmaceutical chemicals group, owing to uncertainty regarding the key industry duty on certain products. Acetanilide and Dutch milk sugar are easier. Bromides are in fair demand at easy rates. Vanillin is unsettled. Mercurial salts have advanced 3d. per lb., with the exception of corrosive sublimate, which is 2d. higher while white precipitate is unchanged. Among industrial chemicals business continues fairly steady, the chief alterations being a decline in acetone. Sodium acetate is firmer and sodium nitrate dearer. Coal tar products are very firm, with an advance in solvent naphtha, pitch and creosote oil. So-called vegetable oils continue very quiet, and most alterations are to lower levels, including castor, coconut, palm and rape oils.

Higher	Firmer	Easier	Lower
Bergamot oil	Anise (star) oil (c.i.f.)	Acetanilide	Acetone
Copaiba	Carbolic acid crystals	Albumen	Castor oil
Dextrin	Cream of tartar	Citronella oil	Ergot (c.i.f.)
Farina	Copaiba oil	Cubeb oil	Menthol
Maize starch	Coriander seed	Milk sugar	Palm oil
Mercurial salts	Creosote oil	Paraffin wax and scale	Peppermint oil (Jp.)
Naphthalene	Fenugreek seed	Petroleum jellies	Platinum
Orange peel	Naphthas solvent	Resin	Turpentine
Patchouli leaves	Sodium acetate	Vanillin	Wood oil
Patchouli oil		White oils	
Pepper			
Pitch			
Soda nitrate			

Cablegram

NEW YORK, October 27.—Business is quiet. Hydrastis is dearer at $5.00 per lb.; copaiba has advanced to 48c. per lb., and Oregon balsam of fir to $1.25. Short buchu is dearer at 53c., and mercury has advanced to $99.50 per flask. Peppermint oil in tins is lower at $6.25 per lb.

Crude Drugs, etc.

ALBUMEN is easier at 2s. 10d. per lb. on the spot for prime Chinese hen, and for November-December shipment 2s. 6½d. c.i.f. has been paid.

ANTIMONY.—The demand continues slack, and the market is unsettled. There is no alteration in high-grade English refined at £74 10s. to £75. Chinese regulus is again weaker, this being chiefly due to rather cheap offers on the part of German dealers in this market. Parcels on the spot are worth about £60, and for shipments over the balance of this year selling limits are around £53 c.i.f.

BALSAMS.—B.P. *Copaiba*, which has recently been selling at around 1s. 7d. to 1s. 8d. per lb. on the spot, shows a sharp advance, nothing being available under 2s. to 2s. 2d. per lb. for Central American B.P. This is in sympathy with New York prices, and stocks are now very small in London. *Peru* is inclined to be firmer at from 6s to 6s. 3d. per lb. on the spot for B.P. *Tolu* is selling on the spot at 3s. 2d. to 3s. 3d. per lb.

CADMIUM.—There is a good demand for Australian metal which sells at 1s. 9d. per lb. for fair-sized lots, and other descriptions of the product are neglected.

CARAWAY SEED is again higher at 38s. 6d. per cwt., c.i.f. for new crop Dutch for prompt shipment.

CARDAMOMS.—At auction on October 21 forty-six cases Ceylon-Mysore offered and twenty-one cases sold at full prices for bold, but easier for medium and small. Extra bold pale bleached split Mysore sold at 8s. 3d.; bold ditto, 6s. 3d. to 7s. 4d.; medium ditto, 5s. 4d.; small ditto, 4s. 6d.; tiny, 3s. 2d.; bold split, 8s. 3d.; medium, 6s. 3d.; small, 4s. 2d.

CASCARA SAGRADA is extremely quiet, with new crop offering at 65s. per cwt., c.i.f., and slightly under. Spot is firm at 80s. for 1924 peel.

CHAULMOOGRA OIL.—An arrival of 30 drums has taken place from Calcutta. Prices remain steady at 3s. per lb. for Taraktagenos Kurzii and 2s. 6d. for Hydnocarpus.

CINCHONA.—At the auction to be held at Amsterdam on November 3, 32,975 kilos pharmaceutical Java bark, representing 821 kilos quinine sulphate, will be offered for sale.

CLOVES are about steady, Zanzibar offering on the spot at 9⅞d. to 10d. per lb., and at 9⅛d. per lb. c.i.f. for October-December shipment. The landings in London during the week ended October 23 were *nil*, and the deliveries 225, leaving a stock of 9,292 bales, against 8,333 bales in 1925 and 19,506 bales in 1924. Up to October 23, the landing Zanzibar in London have been 10,258, against 11,787 in 1925, while the deliveries amount to 15,166, against 18,558 last year.

CORN PRODUCTS, ETC.—Guaranteed waterwhite *glucose* (corn syrup) remain unchanged at 22s. 3d. per cwt. for October-December delivery, ex store, London. Dutch *maize starch powder* (cornflour) is 15s. 3d. per cwt. on the spot. American, for October-December delivery, is 15s. 6d. per cwt. net, ex store, London. Pearl starch is 15s. ex store, London. Dutch *maize starch crystals* is 21s. 9d. on the spot, and American for October-December delivery is 19s. per cwt., ex store, London. Dutch *dextrin* is dearer at 21s. 6d. to 22s. 9d. per cwt. for superior. American canary for October-December delivery is dearer at 18s. 9d., and white 18s. 6d. per cwt., ex store, London. Dutch farina is 18s. 9d. per cwt. on the spot, and 18s. per cwt f.o.b. for shipment.

ELEMI.—An arrival of 200 cases has recently taken place and prices are likely to be easier.

ERGOT.—There is evidence of more plentiful offers from Spain at progressively lower prices, starting from 5s. 10d. to 5s. 6d., and even 5s. per lb. c.i.f. for "good sound ergot." Spot sales in limited quantities have been made at 8s. 3d. up to 9s. per lb. In the present stringent state of the market the distinction between the various descriptions, such as Spanish, Portuguese, Russian, and Polish, as already pointed out, have lost their significance, and the tendency is to offer the drug simply as "Ergot." This follows on the report that Spanish houses have bought Russian for mixing purposes.

HYDRASTIS.—Further spot sales have been made at 22s. per lb.

IPECACUANHA remains firm at 14s. 6d. per lb. for Matto Grosso.

MAGNESIUM is in fair demand, and the tone is well maintained. Small ingots and sticks are quoted 3s. 9d. to 4s. 3d., and powder is 5s. to 6s. 3d. per lb., according to quality.

MENTHOL is cheaper, the spot price of K.-S. having declined to 17s. for five-case lots, and to 17s. 3d. for single cases. Sellers of September-October quote 16s. 6d.; October-December, 16s.; and January-March, 15s. 3d. per lb. c.i.f.

MERCURY.—The demand has been rather quieter, but with the supplies on the spot apparently so abnormally small, there is not much giving way in the terms ruling, the price mostly quoted early in the week being £16 15s. per bottle, although, at the close, up to £17 and even more is asked. The arrivals reported so far this month are very small, and the outlook for home consumers is unsatisfactory in the matter of supply in spite of the high price.

OLIVE OIL.—The firmer tendency is continued, finest French edible being quoted at from 8s. 3d. to 8s. 6d. per gallon in barrels upwards; cases at 9s. B.P. quality is quoted from 7s. to 7s. 3d. Italian edible is also dearer at 8s. 3d. c.i.f. Spot supplies are scarce.

OPIUM remains firm at 2s. 2d. per unit for usual Turkey druggists' on the spot, and fair sales have been made thereat.

CONSTANTINOPLE, October 4.—"During the past fortnight arrivals were as follows:—Druggists', 1,774; 'softs,' 107; and Malatia, 257 cases. Stocks amounted to:—Druggists', 1,242; 'softs, 118; and Malatia 326 cases. Sales included 197 cases of druggists' at £T25-30½, and one case of Malatia at £T30. Half of these transactions were concluded towards the middle of September, after sending off our last report. The demand is regular and sustained but has become more systematic, that is to say, buyers do not appear in large numbers on the market on the same day. This tendency has been assisted by the rate of exchange of the pound sterling and business has been done deliberately. Stocks are practically unchanged, since arrivals have filled the gaps made by sales. At present we cannot foresee what effect the very extensive sales of mohair, which have taken place during the past few days, will have on the

quotations for opium. If the manufacturers of morphine do not disturb the market by placing orders indiscriminately they would be rendering themselves a service and at the same time they would prevent the importers of opium from the interior from suffering losses."

ORANGE PEEL.—Spot supplies of so-called Maltese machine-cut have been largely absorbed, and what little is offered is of poor quality at about 1s. 9d. to 2s. per lb.; further arrivals are not expected until the spring. Imports have fallen off considerably this year, low prices having discouraged shippers.

PAPAIN is very scarce, the nominal value being 16s. per lb. for Ceylon.

PATCHOULI LEAVES.—A recent offer was made at the higher rate of 95s. per cwt. c.i.f.

PEPTONE.—Bacteriological quality is selling at about 4s. 3d. to 4s. 6d. per lb.

PLATINUM.—The current price for refined metal is now £23 per oz., which indicates a reduction of £1 as compared with the quotation current for months past. Raw metal or scrap is about £20 10s. to £21 per oz. Palladium has also fallen, now ranging from £11 to £13 per oz.

RUBBER.—The market has fluctuated considerably since our last report. Spot, after being done up to 1s. 9¾d., has declined to 1s. 9d. The fluctuations were mainly due to the Government announcement issued the end of last week, which the market interpreted according to the ideas of the various operators, the result being shown in the considerable differences in prices. There has been a certain amount of liquidation on the part of holders, who were apparently disappointed in the official statement. Both New York and Singapore have been quiet, and are merely following the trend of this market. Stocks were again substantially increased, viz., by 1,430 tons, and the London stock now stands at 41,080 tons. We understand that there will be a comparatively small increase only next week. Quotations (Wednesday, 5 p.m.): No. 1 standard ribbed smoked sheet, spot and October, 1s. 9d.; November, 1s. 9⅛d.; December, 1s. 9¼d.; January-March, 1s. 9¾d. per lb.

SAFFRON.—The collection of new crop Valencia has just begun in favourable circumstances. There is a large area to be harvested, and London importers anticipate lower prices eventually.

SEEDS.—There has been very little improvement and business continues very slow, with little change in prices. ANISE.—Spanish, 50s.; Russian, 35s. CANARY SEED.—Mazagan is 17s. 6d. on the spot, and 16s. c.i.f. is quoted; Saffi, 16s. 6d. spot; good bold Spanish, 30s. to 32s. 6d.; and small, 24s. CUMIN SEED.—Maltese is 30s. to 35s. spot, old crop, and 33s. c.i.f. is quoted for new crop; Morocco, 30s. spot, and 33s. c.i.f. is quoted for new crop. CORIANDER SEED is much firmer, and 20s. is asked for sound on the spot, and 18s. is quoted c.i.f. FENUGREEK SEED is firmer at 12s. to 13s. spot, and 13s. is quoted c.i.f. DILL SEED is 22s. spot, and 19s. is quoted c.i.f. for 6 per cent. admixture. HEMPSEED.—Manchurian, 15s. LINSEED.—Morocco, 18s. 9d. spot, and 18s. 3d. is quoted c.i.f. for Mazagan. MUSTARD SEED.—New crop English is 30s. to 32s. 6d.

SENNA PODS.—The "Moldavia" has brought 151 cases from Port Sudan. There are more offers about and prices are likely to be easier. Meanwhile, hand-picked has been sold on the spot at 6s. 6d. per lb. Tinnevelle pods have been selling freely at from 5d. to 6d. per lb. as to quality.

VANILLA.—Bourbon beans, first quality, 6 to 7 in., have been quoted at 13s. 6d. per lb. on the spot.

WILD CHERRY BARK is unchanged at 6d. per lb. for thin natural green.

Essential Oils

A FAIR amount of business in small lots appears to be passing. Penang patchouli has been sold at much higher rates. Bergamot has again advanced. American peppermint is selling steadily, prices being about level. French lavender is inquired for, but buyers' ideas of value are low. Ceylon citronella is cheaper, and Cochin lemongrass is firmer.

ANISE (STAR).—"Red Ship" is quiet on the spot at 3s. 3d. per lb. With the improvement in silver currency higher c.i.f. prices are quoted at 2s. 7d. c.i.f.

BAY.—Genuine West Indian 38 to 40 per cent. is quoted at 7s. 4d. per lb.

BERGAMOT is dearer to arrive, at from 30s. to 35s. per lb. c.i.f. for 37 to 38 l.a. New crop, January-March shipment, is 29s. c.i.f. On the spot, recent sales have been made at about 30s., but from 33s. to 34s. is now quoted.

CAJUPUT on the spot is steady, with sellers at from 2s. 4d. to 2s. 5d. per lb.

CAMPHOR.—Japanese white is quoted at 44s. per cwt. c.i.f., and brown at 49s. 6d. c.i.f.

CASSIA has improved slightly for shipment at 6s. 7d. per lb. c.i.f. to arrive. Spot is steady at 8s. 3d.

CITRONELLA.—Ceylon is cheaper on the spot at 1s. 6d., and to arrive 1s. 5¼d. c.i.f. Java is unchanged at 2s. 4d. on the spot and 2s. 2d. c.i.f.

COPAIBA is firmer at 2s. 3d. per lb.

CUBEB is cheaper at 16s. 9d. per lb., ex warehouse.

LEMON is practically unchanged at 9s. to 9s. 3d. per lb. on the spot. For shipment from 9s. c.i.f. and upwards is asked, new crop being 7s. 9d. c.i.f. There is very little demand.

LEMONGRASS.—Cochin is unchanged to arrive at 3s. 5d. to 3s. 5½d. per lb. c.i.f. On the spot 3s. 7d. is quoted.

ORANGE.—Sicilian sweet is quoted at 9s. per lb. on the spot or c.i.f. to arrive. West Indian sweet is offered at 8s. spot. Higher quotations have been made for shipment recently.

PATCHOULI.—Fair sales have been made at advancing rates, from 36s. to 37s. 6d. per lb. being paid for usual Penang quality.

PEPPERMINT.—Further sales of American natural tin oil have been made. Arrivals of new crop oil are quoted at 27s. per lb. spot, and sales have been made at this figure. We understand that an association has been formed in U.S. of persons and firms controlling a very large quantity of oil, whose intention is said to be to raise the price to a higher level than it is at present. This would seem to indicate that the recent crop has been a large one. Japanese dementholised is cheaper, spot sellers quoting Kobayashi-Suzuki at 9s. 9d., and for redistilled conforming to the B.P. figures 18s. is quoted. After easier prices quoted for shipment, September-October shipment is offered at 8s. 9d., October-December at 8s. 6d., and January-March at 7s. 6d. per lb. c.i.f. A fair amount of interest has been shown in forward positions.

SPIKE.—Spanish is selling steadily in large drums at 3s. 9d. per lb. on the spot. It is reported that there is a movement in Spain to stabilise the position of Spanish oils generally, and control them from grower to seller, some of the London importers being invited to co-operate. The success of such an undertaking is, however, considered doubtful, and it is unlikely that much support will be given to the scheme from this side.

WORMSEED (CHENOPODIUM).—American on the spot is quoted at from 19s. to 19s. 6d. per lb.

WORMWOOD.—American is firmer at 32s. per lb. on the spot.

The following arrivals have taken place from the countries indicated during the period October 14 to 19:—Anise (Jp.) 25 cs., (Ch.) 35 cs.; camphor (U.S.), 1 dm.; cassia (Ch.), 10 cs.; cedarleaf (U.S.), 1 dm.; cedarwood (U.S.), 1 dm.; citronella (Jv.), 9 dm.; clove (Ger.) 4 cs.; copaiba (U.S.), 5 cs.; eucalptus (Aust.), 80 cs.; fennel (Ger.), 1 cs.; geranium (Ger.) 1 dm., (Alg.) 7 cs.; guaiacumwood (U.S.), 2 cs.; juniperberry (Czecho Sl.), 1 cs.; lemon (It.), 2 cs.; lime (Ger.), 2 dm.; orris (Fr.), 2 cs.; patchouli (Ger.), 1 cs.; peppermint (U.S.) 12 cs., (Jp.) 15 cs., (It.) 2 cs.; pine (Switz.), 3 cs.; sandalwood (Br. Ind.), 84 cs.; wormseed (U.S.), 5 cs.; undescribed (It.), 1 cs.

Pharmaceutical Chemicals, etc.

RATHER unsettled conditions continue in this market. Bromides have been in a little better demand at keen prices. Sodium salicylate and methyl salicylate are considered to be at unprofitable rates at present owing to competition, and in one quarter prices of the latter chemical are ½d. per lb. higher. Vanillin is disturbed in consequence of cheap parcels from the Continent pressed for sale.

ACETANILIDE declined to 1s. 6½d. per lb. for B.P. crystals and powder in one-cwt. lots.

AMIDOPYRIN is still of little interest, dealers quoting at 11s. 6d. to 12s. per lb.

ASPIRIN is steady and unchanged; business fair: best brands, 2s. 3½d. to 2s. 4d. per lb., according to quantity.

BARBITONE is quiet and unsettled at about 8s. 9d. to 8s. 10d. per lb.

BENZOIC ACID (B.P.).—British, 2s. 1½d. to 2s. 3d. per lb., according to quantity, ex works; Continental, p.f.f.c., 3s. 6d. per lb., spot. Market is steady with business fair.

BENZONAPHTHOL is offered in five-kilo lots at about 3s. 3d. per lb.; demand is limited.

BROMIDES.—A rather better demand is noted, but keen buyers have been placing orders at slightly under quoted rates: ammonium, 2s. 1d. to 2s. 1½d.; potassium, B.P. crystals and granular, 1s. 8d. to 1s. 8½d.; sodium, B.P., 1s. 10d. to 1s. 10½d. per lb.

CALCIUM LACTATE is steady and selling fairly well: quoted at 1s. 3d. to 1s. 4d. per lb., according to quantity.

CHLORAL HYDRATE (duty paid) is unchanged, with spot prices at 3s. 3d. to 3s. 4d. per lb.

CITRIC ACID (B.P. crystals) is quiet and unsteady at 1s. 3d. to 1s. 3½d. per lb., less 5 per cent., according to quantity.

CREOSOTE (B.P.).—Dealers quote about 1s. 8½d. per lb., in demijohns; demand is slow.

CREOSOTE CARBONATE is unchanged at about 6s. to 6s. 3d. per lb.; market quiet.

GUAIACOL CARBONATE is slow owing to uncertainty of forward position; quoted from 7s. per lb.

HEXAMINE.—The spot price is about 2s. 5½d. per lb. for free-running crystals in one-cwt. lots. Business small.

HYDROQUINONE shows no change, with the quoted price in the region of 4s. per lb. for one-cwt. lots.

MERCURIALS.—An advance of 2d. to 3d. per lb. was made in the price of the leading mercurial salts (with the exception of white precipitate) after the close of our last report, the makers' quotations being as follows:—

For assorted lots or contracts

—	Under 112 lb.	Not less than 112 lb.
	Per lb. s. d.	Per lb. s. d.
Ammoniated lump, B.P. (white precip.)	5 0	4 11
,, powder	5 1	5 0
,, extra fine powder ..	5 2	5 1
Bichloride lump, B.P. (corros. sub.) ..	4 10	4 9
,, powder, B.P. or granular ..	4 3	4 2
Chloride, B.P. (calomel)	5 5	5 4
Red oxide cryst., B.P. (red precip.) ..	6 7	6 6
,, ,, levig., B.P.	6 1	6 0
Yellow oxide, B.P.	5 11	5 10
Persulphate white, B.P.C.	5 2	5 1
Sulphide black (hyd. sulph. cum sulph. 50 per cent.)	4 11	4 10

METHYL SALICYLATE.—Owing to the position of carbolic acid, one of the makers has advanced his price ½d. per lb. to 1s. 3½d. per lb. for large contracts; for small lots up to 1s. 4½d. to 1s. 4¾d. is quoted.

METHYL SULPHONAL is dull, dealers offering at about 15s. 3d. per lb.

MILK SUGAR.—Dealers' prices for Dutch B.P. are easier at 60s. to 62s.; German B.P., 59s. to 61s. per cwt., in cases.

PARAFORMALDEHYDE (100 per cent. powder) remains quiet at about 1s. 9d. per lb. for quantities.

PARALDEHYDE is quiet but steady as quoted at 1s. 2d. to 1s. 4d. per lb., according to quantity and packing.

PHENACETIN on the spot is steady from 3s. 11d. per lb., while the forward position is uncertain.

PHENAZONE.—Dealers quote on spot from 5s. 9d. to 5s. 11d. per lb. as to quantity. Forward position here also uncertain.

PHENOLPHTHALEIN might be obtained at 3s. 11d. per lb., but most dealers quote at about 4s. per lb.

POTASSIUM PERMANGANATE (B.P.).—Dealers are making efforts to clear stocks before the Key Industry position changes. Quantities in two-cwt. drums might be taken up at about 6d. per lb., landed. Slightly more for small spot lots.

RESORCIN is steady at about 4s 4d. to 4s. 6d. per lb.; there is not much demand.

SALICYLIC ACID (B.P.) is steady, and may improve from present prices of 1s. 3d. to 1s. 3½d. per lb.

SALOL remains quiet, with prices at 3s. to 3s. 1d. per lb.

SODIUM BENZOATE (B.P.) is steady at about 1s. 8d. per lb., while forward delivery in quantities would be slightly less.

SODIUM DIETHYLBARBITURATE remains dull at about 9s. per lb.

SODIUM SALICYLATE (B.P.).—Competition keeps prices down, but sellers of some of the best brands imported material sell at a premium of 1d. to 2d. per lb. Crystals, about 1s. 9d. and upwards; powder, 1s. 8½d. to 1s. 9d. per lb.

TANNIC ACID.—B.P. *leviss* remains quiet in one-cwt. lots at 2s. 7½d. per lb.; small parcels, 2s. 10d. per lb.

TARTARIC ACID (B.P. crystals) has been very quiet, and quotations are irregular and easy; dealers quote from 11⅜d. to 11¾d. per lb., less 5 per cent. for foreign, according to quantity.

TERPIN HYDRATE is freely offered, with very little demand; quoted at about 1s. 6d. per lb.

THYMOL.—Conditions are rather better, and dealers have little to offer under 12s. per lb., at which sales are reported. British makers' list price, 12s. to 13s. 9d. per lb.

VANILLIN.—Owing to fairly large distressed Continental parcels offering at very cheap rates the market is very unsettled. Sales have been missed with quotations at 18s. per lb., nominal price 19s.; orders might be placed for quantities at slightly under 18s. The position will probably improve when cheap supplies are absorbed.

Among the chemicals which have paid Key Industry duty are the following:—Bromide salts, £1,381; ethyl carbonate, £421; isopropyl alcohol, £186; milk of magnesia, £406; nickel hydroxide, £639; strychnine, £267; undescribed chemicals, £1,178.

Industrial Chemicals, etc.

London, October 27.

WHILE the general tone of the industrial chemical market continues fairly steady a few further changes in values are recorded. Acetone is again weaker. Sodium acetate is firmer, and sodium nitrate dearer on quotation. Mercurial salts have advanced 2d. to 3d. per lb.

ACETIC ACID continues steady, and is meeting with fair business: 80 per cent. technical and pure, £37 per ton, in barrels; glacial, pharmaceutical, 99 to 100 per cent., £66, in glass demijohns; glacial, in barrels, £56 per ton, ex wharf.

ACETONE.—Sales prices are a matter of negotiation: quotations are lower at the nominal rates of £65 to £66 per ton, for B.G.S. in drums.

AMMONIA (ANHYDROUS) is very quiet, but dealers' prices for 99.95 per cent. in loaned cylinders continue steady at 1s. 1s. to 1s. 1½d. per lb., carriage paid, and slightly cheaper for contracts.

AMMONIUM CHLORIDE (grey galvanising).—Business is still comparatively small, but prices are steady at about £21 15s. per ton, in casks, ex store; cheaper forward in quantities.

ARSENIC is very firm, with a steady business in white Cornish, and quotations range from about £16 upwards f.o.r. at mines for 99 per cent. The output in Canada for the first half of this year was placed at a little over 1,000 tons

BARYTES is steady, but only in small demand at from £3 7s. 6d. to £5 15s. per ton, c.i.f., according to quality and quantity.

COPPER SULPHATE.—The export demand is still quiet, and makers are quoting about £23 15s. to £24 f.o.b. for casks, less 5 per cent. discount. Continental competition is unrelaxed, and British makers are at the same time faced with higher working costs, so that their margin of profit must be rather lean.

CREAM OF TARTAR is rather firmer, with dealers quoting foreign at 73s. to 73s. 6d. per cwt., less 2½ per cent., according to quantity.

FORMALDEHYDE continues steady, and fair business on small lines is reported: 40 per cent. by volume, £40 per ton, ex wharf.

FORMIC ACID has been very slack, and forward positions are unsteady: 85 per cent., £47; 90 per cent., about £51 per ton, in carboys, ex wharf.

GLAUBER'S SALT meets with very little demand: spot parcels of commercial quality, £3 12s. 6d. per ton, in single bags, ex store. Cheaper for quantities to arrive.

LEAD PRODUCTS.—Lead acetate, brown, about £41; white, about £43 per ton, spot; market remains slack; red lead, imported, £37 15s., c.i.f. London; white lead, dry, £36 5s.; ground in oil, £37 15s., c.i.f. London. There has been only a quiet demand.

LITHOPONE is very steady, and has been moving moderately well: best brands of 30 per cent. Continental red seal, £20 to £20 10s. per ton, in casks, ex store; cheaper for contracts.

OXALIC ACID is offered on spot at 3½d. to 3¾d. per lb., with very little doing; forward position uncertain.

POTASH CAUSTIC.—The demand is still slack, but prices are steady: 88/92 per cent. solid, £27 10s. per ton, in drums, ex store.

POTASSIUM CARBONATE is still on the quiet side, but prices are maintained: 90/92 per cent., £24 10s.; 96/98 per cent., £26 per ton, in casks, ex store.

POTASSIUM CHLORATE shows no change on quotation, with the market quiet: crystals, 3½d.; powder, 3¼d. per lb.

POTASSIUM PERMANGANATE remains rather dull, with commercial quality in two-cwt. drums offered at about 5d. to 5¼d. per lb., in quantities.

POTASSIUM PRUSSIATE is steady and in occasional demand: dealers quote 6¾d. to 6⅞d. per lb., in casks, ex wharf.

SAL AMMONIAC.—Competition continues for the limited amount of business: dog-tooth crystals, £31; medium, £29; fine white crystals, £19 per ton, in casks.

SODIUM ACETATE.—The French makers are sold out up to January next, and their quotations for that position are firm. Spot is now steady at £20 and upwards per ton, ex wharf.

SODIUM CHLORATE is still quiet at about 3¼d. to 3½d. per lb.

SODIUM HYPOSULPHITE.—Business remains dull; prices unchanged: pea crystals, £15 5s. per ton, in one-cwt. kegs; commercial lump, £9 per ton, ex wharf. British makers quote pure crystals to home consumers on contract at £15 10s. per ton, carriage paid to buyer's station.

SODIUM NITRATE.—The importers' association have advanced prices: 95 per cent., £12 10s.; 96 per cent., £12 17s. 6d., f.o.r. docks, London. These prices are nominal and non-competitive with sulphate of ammonia.

SODIUM PRUSSIATE continues firm as quoted up to 4d. per lb. Market is fairly active.

SODIUM SULPHIDE is still slack with dealers quoting 60/62 per cent. solid at £10 5s., and broken at £11 5s. per ton, in drums.

SULPHUR is steady, and American crude, delivered Manchester, is £5 17s. 6d. per ton. Italian refined is £12 to £12 5s. for flowers, and £10 to £10 5s. for roll, delivered London warehouse.

COAL TAR PRODUCTS, ETC.—Further advances in prices of a number of products are recorded this week. Supplies continue short, with the markets firm. Pitch, carbolic acid crystals, solvent naphthas, and creosote oil are all dearer. Export licences for pitch continue to be granted freely. ANILINE OIL is quoted at about 9¾d. per lb., in loaned drums, carriage paid; nominal; supplies short. ANILINE SALT is quoted at about 9¾d. per lb., packages extra, carriage paid, nominal. BETANAPHTHOL continues very short in supply, with the price nominal at about 1s. 0½d. per lb., carriage paid. TOLUOL.—Prices mentioned for Continental may be a shade cheaper: commercial 90's, 2s. 5d.; pure, 2s. 11d. per gallon, c.i.f., drums free. XYLOL.—There is not much business for this product: pure, 3s. 6d.; commercial, 2s. 9d. per gallon, at works. CARBOLIC ACID crystals show a big jump in price with a much better demand; market firm. F.o.b. in quantities, fully 6d. per lb. CRESYLIC ACID.—Market continues firm, with some prices advanced: Continental, 98 to 100 per cent., £23 10s. per 1,000 kilos, f.o.b. Hamburg, barrels free. English, American specification, 95 to 97 per cent., 2s. 6d.; 99 to 100 per cent., 2s. 7d. per gallon, naked at works. CREOSOTE OIL is firm at slightly advanced prices; market active: ex works, 8½d. to 8¾d. f.o.b.; 9⅛d. to 9¼d. per gallon, in bulk quantities. NAPHTHALENE.—Continental prices have advanced considerably: flakes and balls, £16 per ton, f.o.b. Continent. Powder is not quoted. British makers are reported to quote small lots of flakes up to £25 per ton. Pure METHYL ALCOHOL remains dull, with the price easy at about £47 per ton, in drums, ex wharf. PYRIDINE remains slack, with the f.o.b. offer at 15s. per gallon. PITCH continues firm and active and the price has now reached up to 190s. per ton, f.o.b. East Coast. Export licences continue to be granted freely.

Fixed Oils, etc.

LUBRICATING, MINERAL AND BURNING OILS, ETC.—A number of alterations in prices are noted this week. Lubricating oils are unchanged. Business has been of little importance, activity being limited to those items affected by the coal strike. BENZOL.—Prices are difficult to define; market continues firm; Continental material coming in: crude 65's, up to 1s. 7½d.; standard motor, 2s. 2d.; pure, 2s. 9d. per gallon, filled into buyer's tank wagons. FUEL OIL continues quiet and easy as quoted, for quantities: 850 gravity, £3 17s. 6d.; 890 gravity, £4 7s. 6d. per ton, ex tank. PARAFFIN WAX and SCALE.—Wax is rather easier at about 3d. to 4¾d. per lb., according to melting point, in bags. Scale is easier at about £24 10s. per ton, c.i.f. U.K. port. PARAFFIN OILS continue firm at level rates: American standard white, 1s. 1d.; water white, 1s. 2d. per gallon, barrels free. Russian prime white kerosene, 6½d. to 7d., ex tank; 7¼d. filled into buyer's barrels, and 11d. per gallon, barrels free. WHITE OILS.—Prices have eased with the market still rather slack: special No. 1, £26 15s.; No. 1, £25 5s.; No. 2, £22 15s.; No. 3 half-white, £21 10s.; No. 4 half-white, £14 17s. 6d. per ton, drums and barrels free, ex wharf, London. SOLVENT NAPHTHAS continue active and firm at higher rates: 90/160, 1s. 10½d. to 1s. 11d.; heavy, 90/190, 1s. 6d. per gallon, naked at works. PETROLEUM JELLIES.—There has been some alterations in prices; market quiet: white to snow white, £38 to £57 10s.; yellow, £17 17s. 6d. to £22; red vet, £16 15s.; dark stiff green, about £12 per ton, barrels free, ex wharf, London. LUBRICATING OILS.—There is no special feature to report; spot prices are rather easy as quoted: spot, pales, £10 7s. 6d. to £23 5s.; reds, £12 12s. 6d. to £23 5s.; dark cylinders, £13 to £34; filtered cylinders, £20 5s. to £33 15s. per ton, less 2½ per cent., ex wharf, London. SOLUBLE OILS and CUTTING COMPOUNDS, £20 to £29 per ton, net. No. 1 RUSSIAN OIL is offered at £15 5s. per ton, in barrels, less 2½ per cent. TURPENTINE.—Under continued dull domand, and owing to easier quotations in America under liberal receipts, the market has sagged further, under rather depressing offers of a speculative character. Deliveries for last week were fairly good, amounting to 1,766 barrels, which makes the total for the year to date 90,668 barrels, comparing with 75,793 barrels same period last year. Stocks were returned at 20,342 barrels, against 52,615 barrels a year ago. Including the quantities afloat the total visible supply amounts to 31,092 barrels, against 56,115 barrels at the same date last year. Spot closes at 61s. 9d. per cwt.; November-December at 62s., January-April 63s. 3d., and May-June 63s. 6d. RESIN.—Prices fluctuated further downward under a slack demand, but there was some recovery. The current level of prices is suggested to be more attractive. Quotations for American for shipment are as follows: E to I 28s. 3d., K.M. 28s. 5½d., W.G. 31s. 11d., and W.W. 34s. 7½d. Terms on the spot are about 6d. over these rates, delivery ex wharf.

Safeguarding of Industries

THE Board of Trade give notice that representations have been made to them under Section 10 (5) of the Finance Act, 1926, regarding the following articles:—Amidopyrin, barbitone, cocaine, cocaine hydrochloride, guaiacol carbonate, hydroquinone, methyl sulphonal, oxalic acid, phenacetin, phenazone, piperazine, salol, sulphonal, Section 10 (5) of the Finance Act, 1925, is as follows: "The Treasury may by order exempt from duty imposed by Section One of the Safeguarding of Industries Act, 1921, as amended by this Act, for such period as may be specified in the Order, any article in respect of which the Board of Trade are satisfied on a representation made by a consumer of that article that the article is not made in any part of His Majesty's Dominions in quantities which are substantial having regard to the consumption of that article for the time being in the United Kingdom, and that there is no reasonable probability that the article will within a reasonable period be made in His Majesty's Dominions in such substantial quantities." Any person desiring to communicate with the Board of Trade with respect to the above-mentioned application should do so by letter addressed to the Principal Assistant Secretary, Industries and Manufactures Department, Board of Trade, Great George Street, London, S.W.1, within two months from the date of this notice (October 27).

Belgian Botanical Drugs

Brussels, October 20.

CHAMOMILES.—The crops have now been entirely secured. The plantings have been moderate, and, in fact, should have pointed to an extraordinarily small crop. The favourable weather during the picking, however, has increased the quantity collected to some extent. In fact, we may consider as a whole that the total yield constitutes a moderate crop. The demand, on the other hand, has been very small, and after some excitement on the market during the opening period the market became weak. Prices, however, have now been stabilised at about 110s. per cwt. c.i.f. for first picking prime white flowers and between 75s. and 95s. for second grade, according to quality. We are convinced that more than half of the crop has been sold "on the quiet," and it is not expected that prices will drop further.

BURDOCK ROOT.—Very small quantities were left over from last year's crop. The new crop will be collected during November-December, and owing to the little interest shown for some time now very few cultivators have sown the drug. At 35s. per cwt. c.i.f. contracts could be placed to-day for new crop. We do not expect that the total quantity will amount to more than 40 tons.

VALERIAN ROOT.—The crop has been exceptionally favourable and at one time contracts were made at extremely low prices. However, there was a steady demand during the last week or so, and actually prices seem to be stabilised at 45s. per cwt. c.i.f. London. Local jobbers have accepted big contracts to supply over December-January at high prices, and it is their interest to maintain the actual level. On the other hand, if we consider that the European as well as the American markets were absolutely bare of stocks, we should not be surprised that after the bulk of the crop has been placed on the market higher prices will prevail after the arrivals have diminished, although there will be no question of the fancy limits of the last season.

STRAMONIUM LEAVES.—There has been a very steady demand all over the year, but actually the market is quiet. Very few parcels are left, but are in very strong hands. At 45s. per cwt. c.i.f. London it will be possible to obtain supplies.

PEPPERMINT LEAVES are dull and prices nominal and 65s. c.i.f. is quoted by importers. Very small quantities have been collected this year and the quality is not good.

BELLADONNA LEAVES.—Reports received from the primary markets indicate that the actual prices are really too low to enable cultivators to make a living. One of the biggest collectors has stopped his work entirely on account of the low prices. It does not appear as if big stocks exist, and we should not be surprised to see the market at a higher level.

GENTIAN.—There is a fair supply on the primary markets. Holders do not seem disposed to accept lower prices, and they can afford to wait until the demand arises. At 25s. per cwt. c.i.f. London contracts can be placed.

Correspondence

Letters for this section should be written on one side of the paper only. Correspondents may adopt an assumed name for purposes of publication, but must in all cases furnish their real name and address to the Editor.

Cultivation of Henbane

SIR,—I have grown some henbane seed and thought there would be quite a few students, colleges of pharmacy, etc., who would like to experiment a little with this vigorous, true-to-type, Northern-grown seed. Owing to the hard winter here (it often gets to 30° and 40° below zero Fahrenheit), this climate grows a true biennial henbane, as leaves, only, form the first year (I have grown these first-year henbane leaves as much as 26 inches long). The plants winter over in the ground (I have grown some of the second-year plants as high as 4½ feet). In the second year come the flowers and fruit, of course. A curious experience of my early student days (about 1899) would interest some. I sowed stock henbane seed from an English store, and all that came up was dulcamara. I shall be pleased to send to any part of the world a small sample (about 4,800 seeds) for 25 cents (1s.) to pay cost of mailing, etc.—Yours truly,

LENNOX TICE, M.P.S., M.C.Ph.A.

Westlock, Alberta, Canada.

The Dublin Pharmaceutical Council

SIR,—I heartily agree with the new President, Mr. Fitzpatrick, in his attitude towards bogus companies—i.e., concerns really owned by unqualified people, but converted into companies to get round the Pharmacy Acts. I think, however, that he might have exercised patience in his ambition to be President. He would have attained to this honour in due course, and he is still a young man! Mr. Lee, the Vice-President, who, according to time-honoured custom, should have succeeded to the chair is, as he himself explained, a "company" man, but legitimately so, being a partner purely for the convenience of accurate profit sharing. He is just as much against bogus concerns as Mr. Fitzpatrick, and during his vice-presidency gave much of his time and energy in the interests of pharmacists. He has received ungracious treatment. Two years ago it was Mr. Fitzpatrick himself who proposed Mr. Lee for the office of Vice-President, and, judging from the printed report of the Council proceedings, he appeared to take special pleasure in doing so. Surely Mr. Fitzpatrick was aware at that time of Mr. Lee's company position, and also of the custom to elect the new Vice-President to the chair in two years' time.—Yours, etc.,

LOOKER-ON (25/10).

Labelling Containers

SIR,—In this age of transition the old landmarks and customs which we have accepted as part of our daily routine are being swept away one by one, and a pharmacist's life is certainly no easier in consequence. Now we have Mr. Hill telling us at Greenock (*C. & D.*, October 23, p. 637) that the usual practice of putting the name and address of the seller on the outside wrapper of a proprietary medicine containing a scheduled poison is not sufficient, that it should be put on the actual bottle or box itself. But the retail chemist has had no choice in this respect in the case of some patents. Even Mr. Hill admitted that in one case the name and address could not be placed on the bottle without breaking the Government stamp; but there is more in it than this. Even if there were no stamp on the outside, the packages are generally sealed, frequently with a slip directing the purchaser to refuse to accept if the seal is broken. One way out of the difficulty would be to place the medicine stamp on the bottle or box itself, which could be packed in such a way (e.g., a carton with easily opened ends) that the chemist could remove it without damage, and having duly labelled the bottle itself with his name and address, could replace it.—Yours, etc.,

STAMPEM (26/10).

Legal Queries

Cosmos (18/10).—(1) A dentist has no authority to sell or distribute cocaine preparations without a licence. A chemist in business can supply on the written orders of authorised persons. (2) The amount of purchase by an authorised person is not specifically limited, but a large quantity bought always entails a visit from the inspector to ask the reason why.

W. B. (15/10).—Under the ruling of the Home Office the lin. opii in the prescription you send being mixed with other ingredients is no longer an exempted preparation. The inquiry turns, however, on the proportion. The dilution must be over 1 in 2.5. This prescription is diluted 1 in 2.46, therefore according to the Home Office *obiter dictum* it comes within the Dangerous Drugs Act.

Nikko (25/10).—An assistant has started attending classes for his "Minor," but helps "Nikko" for a few hours each week, for which he is paid from 12s. to 17s. a week, according to the time worked. What National Insurance contributions, if any, are payable in respect of the assistant? If he does no part-time work at all, would it make any difference? [Assuming that the assistant is not under eighteen years of age, the weekly contributions payable in respect of him are 1s. 6d. for Health Insurance and 1s. 3d. for Unemployment Insurance, of which amounts 9d. and 7d. respectively may be deducted from his wages. If the assistant ceases to be employed at all he need not be insured.]

Apoth. (17/10).—(1) Clause 4 (*a*) in the Poisons and Pharmacy Act, 1908, states that partnership is under the control and management of a superintendent who is duly registered . . . and whose name has been forwarded to the Registrar. . . . If one man is qualified and the other not, then the qualified man is appointed the superintendent. It may be that in the case of a small divisional interest the qualified man literally appoints himself as the superintendent. The only requirement is that in a partnership in Scotland the Registrar must know the responsible person. (2) The widow of a pharmacist is only authorised to carry on the business as an executrix; she is not a qualified person *per se*, and it is very doubtful whether she could assume an unqualified partner and carry on the same business.

A. B. (11/10).—(1) Your query turns on whether the letters "M.P.S." may be used in the particular form you mention. The executors of "A. Blank, M.P.S.," do not claim it, nor trade under it. It has, in fact, no meaning. The qualified chemist managing for the executors does not exhibit his name except in the place authorised for so doing. (2) The same remarks apply to the labels. (3) The certificate of qualification or equivalent must be exhibited in the shop. The room beyond may or may not be part of the shop. The exhibition should be open to the ordinary public, not particular sections, who go into a dispensary. (4) "Opodeldoc and Laudanum B.P. 50 per cent. Poison" is doubtful in its meaning. If it means 25 per cent. of tr. opii it comes within Dangerous Drugs Act. Any suggested declaration of a poison should be readily understandable by the public. (5) Spt. vini. meth. in a prescription may now universally be regarded as meaning industrial methylated spirit.

H. V. S. (28/9) has a father, aged eighty-two, who is without means of any kind and has, since he was seventy-one, been in receipt of an old-age pension. Until May last he lived in a small house by himself with a little financial assistance from his children; but since then, owing to failing health, he has been in a nursing home at a cost of 45s. a week, and his children have voluntarily contributed the excess above the 10s. which he receives as his pension. The local pensions officer now threatens to take away his pension upon the ground that he is in receipt of a regular allowance. [Unfortunately, as the law stands at present, the pension may be taken away or reduced upon the ground that the pensioner is in receipt of more than 15s. a week. The fact that the allowance is voluntarily contributed by his family makes no difference. If, however, the pensioner was insured under the National Health Insurance Acts when he attained the age of seventy he is entitled to the full pension free of any conditions.]

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

F. P. W. (17/9).—The prices of the argyrol and cocaine eye-drops are respectively 3s. 9d. and 2s. 9d.

W. S. (20/9).—(1) UNG. SULPH. CO.—

Sulph. sub.		1½ oz.
Cretæ precip.		1 oz.
Picis liq.		1½ oz.
Adipis prep., Sapo. moll. ...	of each	3 oz.

(2) UNG. PICIS CARB. CO.—

Liq. picis carb. (wt.)	1 oz.
Hydrarg. ammon.	½ oz.
Paraff. moll. flav.	14½ oz.

E. R. M. (17/9).—RINGWORM of non-hairy parts of the body is quickly cured by painting with tr. iodi a few times. When it invades the beard or scalp it is much more difficult. The following ointment is efficient, if persevered with :—

Acid. benzoic.		
Acid. salicylic.	aa.	ʒj.
Paraff. moll.		℥j.

The parts should be washed well with soap and water twice a week, using friction so as to remove the dead infected hairs. In very old cases *x*-rays may be used in skilled hands, but there is always a risk of causing permanent baldness.

F. A. H. (20/9).—PRELIMINARY EXAMINATION.—The apprentice having sat three times and not having passed in all the subjects required for the pharmaceutical Preliminary examination would, under the present regulations, need to apply to the Council of the Pharmaceutical Society for specific admission. If he cannot take the missing subject before Christmas he might be able to register before February 1, 1927, and become accepted. Should he fail then, it will be necessary for him to take a higher Preliminary examination.

J. L. (27/9).—"COAL-SAVERS."—The so-called coal savers do not effect any saving in the amount of coal used, except that being aqueous they retard the combustion. Common salt coloured is offered for the purpose of making the solution and sometimes potassium chlorate or nitre is added.

E. C. (27/9).—DISTINGUISHING PRESERVED EGGS.—Eggs preserved with water glass show a distinct crusty deposit on the surface of the shell as this deposit of silicate formed cannot be removed by washing after removal of the eggs from the preservative solution. Furthermore, since this completely seals the pores of the egg shell, an egg preserved with water glass almost invariably cracks on boiling unless it has been previously pierced.

B. S. A. (29/9).—FIRE-EXTINGUISHER FLUID.—The liquid employed in portable fire extinguishers, such as are carried on motor cars, is generally carbon tetrachloride.

P. & L. (29/9).—DYE FOR CONDEMNED MEAT.—Methylene blue solution is intended to spoil condemned meat so that it cannot be employed for human food. The strength of the solution is immaterial, but it is not soluble in greater proportion than 1 in 50, so that from 1 to 2 per cent. would be a suitable strength.

C. B. I. (29/9).—CARBOY COLOURS.—*See C. & D.*, July 25, 1925, p. 148.

J. A. M. (5/10).—We published an account of the use of carbon tetrachloride as a worm remedy for sheep in the *C. & D.*, December 29, 1923, where the dose was given as 1.3 c.c. per kilo weight of the animal. The modern treatment of fluke in sheep is with male fern extract and also with carbon tetrachloride, as mentioned in the *C. & D.*, October 16, p. 600.

Sub (11/10).—The question of the continued supply of chlorodyne is entirely an ethical one. It is possible that your customer has a definite medicinal use for it.

A. B. C. (9/10).—GLYCERIN, LEMON AND HONEY MIXTURE.—See *C. & D.*, February 13, p. 248.

G. M. (9/10).—WEATHER GLASS.—The following is the formula generally employed :—

Camphor	ʒss.
Ammonium chloride	ʒss.
Potassium nitrate	ʒss.
Rectified spirit, 64 o.p.	℥j.
Distilled water	℥ij.

Weigh the spirit into the bottle and dissolve in it the camphor, then add the salts and the water (warm). Shake, and when dissolved, filter.

Lobelia (12/10).—IRRITATION OF THE SCALP and progressive baldness in a man of thirty are most probably to *Alopecia Seborrhœica.* The scalp should be washed daily with spirit soap (equal parts of spt. vini and sapo mollis, P.B.), and after drying, ung. hydr. ammon. dil. (gr. v in ʒj.) should be rubbed in gently.

J. H. (13/10).—BRILLIANT GREEN is tetra-ethyl-diamido-triphenyl-carbinol. It is used as an antiseptic in the form of a lotion (1-1,000) or ointment (1 to 2 per cent.).

C. & W. (18/10).—ACETONE IN URINE can be detected by distilling the sample (through a well-cooled condenser), and after making the distillate slightly alkaline (with liq. ammonia or liq. potassæ) add a few drops of fresh concentrated sodium nitro-prusside solution. A red colour, changing quickly to yellow, is produced if acetone is present. If the test is repeated and the solution is immediately made just distinctly acid by the addition of acetic acid, a reddish colour, changing to blue on standing, also indicates the presence of acetone. The above is Legal's test, which can be applied to the original specimen in cases of marked ketosis. The iodoform test (Lieben's test) may also be applied to the distillate (made alkaline with liq. potassæ) by adding a little aqueous dilute iodine solution until the solution is very faintly yellow. Iodoform will separate at once if acetone is present. Trommer's salicyl-aldehyde test is a distinctive but somewhat delicate test made by adding 1 gram of solid caustic potash to 10 c.c. of liquid to be tested, and without waiting for this to dissolve, add 10 drops of salicyl-aldehyde and warm to 70° C. A purple-red contact ring develops in the presence of acetone. This test may be applied direct to urine and has also the advantage that it does not react with diacetic acid, which is usually present also with acetone.

Retrospect of Fifty Years Ago

Reprinted from "The Chemist and Druggist," October 14, 1876

English Weights and Measures

In connection with the Exhibition of Scientific Instruments an interesting lecture on the history of our standard weights and measures was delivered at South Kensington on August 29 by Mr. Chisholm, the official warden of the standards. The chief duty of that officer seems to be to keep the keys of the Pyx Chapel in Westminster Abbey, where the standards are kept, and to look at these occasionally to see that they are neither waxing nor waning in size or gravity. It appears to have been an old English custom to keep the standards in a consecrated chapel, just as the ancient Greeks and Egyptians kept theirs in their temples. We resist the temptation to moralise on this curious point. The yard, which is the old Saxon *gird*, has not varied much in its long career. It is now 0.01 inch longer than it was in the days of King Edgar. Henry VIII seems to have lengthened it a trifle, but Elizabeth got it right again. The pound has had a more eventful history. From the earliest records we have, which extend to Saxon times, it seems that the Tower pound was the only standard up to the reign of Henry VII. It was ¾ oz. less weight than the Troy pound, which was probably introduced from France after the wars of Edward III. The avoirdupois pound is also thought to have come from France about the same period. The Tower pound was so named because it was the pound of the Saxon mint, which was kept at the Tower. The Troy pound was the *livre de Troyes*, which became popular in consequence of a fair for which that French town was famous. The avoirdupois pound was the favourite pound of those who liked to have good weight—*avoir du pois.*

THE CHEMIST AND DRUGGIST

COMMERCIAL COMPENDIUM

deals with the trade side of pharmacy

[Commenced *C. & D.*, July 5, 1924]

Hamamelis.—The witch hazel (*Hamamelis virginiana*, Linn.), belongs to the *Hamamelidæa*, and has no relationship to the common hazel (*Corylus avellana*), which it resembles only in being a branching shrub with somewhat similar leaves, growing, like it, in damp, stony woods and copses, but in the United States and Canada. In this country it is grown in gardens as a decorative flowering shrub, blossoming in October and November, and sprinkled all over with starry yellow flowers with four linear petals when the bush is leafless. It grows well in this country, but requires the shelter of a wood, or the leaves, which appear in May, soon become dry and brownish. The U.S.P. orders the leaves to be collected in autumn, when they have become somewhat dry and leathery, but a much nicer preparation of dried leaves can be got in early summer with a little trouble, as each leaf node produces two leaves, one of which attains full size when the other is only half-grown, so that by leaving the smaller leaf, more than one crop of nice green leaves can be obtained during the summer. Dr. W. H. Martindale, who experimented with such leaves grown in this country, found that they yielded very satisfactory preparations. The leaves are about three to four inches or more in length, and as broad or broader, unequal at the base, with a satiny lustre and prominent veins on the underside, rather thick, with a sinnate margin, and bearing branched or stellate hairs, visible especially near the veins on the underside of the leaf. Witch hazel bark varies much in appearance. The older pieces have an ash-grey cork, which after a time becomes darker coloured and scaly. The cork is often removed, and the outer layer or cortex shows then as a nearly smooth, pale reddish-brown layer, seen under a lens to be slightly striated transversely. The outer layers of cork or cortex have a short fracture, but the inner or bast is coarsely fibrous and laminate. In transverse section there is seen under a lens a pale tangential line of sclerenchymatous cells separating the cortex and the bast. The bark most easily confused with it is willow bark, which does not show the line of sclerenchymatous cells and is usually longitudinally not transversely striated on the outer surface. Hamamelis is astringent, and hæmortated is useful in hæmorrhage from the nose, lungs, rectum and uterus. The glucoside it contains, hamameli tannin, is converted into gallic acid by hydrolysis. The extract of witch hazel enjoys a greater reputation in household medicines than perhaps any other drug. The properties of the volatile oil have not been accurately ascertained. Javell and Pyman found the oil to contain a phenol having the odour of eugenol and a sesquiterpene.

Hartshorn.—Preparations of hartshorn practically belong to the materia medica of the sixteenth and seventeenth centuries. The hartshorn shavings (*Rasures* or *Ramenta cornu cervi*) remained long in use, and with good reason, since the horn of the stag or hart (*Cervus elephus*, L.) possessed the properties of bone in giving out gelatin when boiled in water, but the gelatinous matter they contain is more soluble than that of bone. The percentage of soluble cartilage or gelatin was estimated by Merat-Guillot at 27 per cent. In the London and Edinburgh Pharmacopœias the hartshorn was designated "Cornu" only, though it was known that its composition was quite different from the horn of the ox and sheep, which consist principally of coagulated albumen and which were sometimes called true horn. In the early days of the Pharmaceutical Society of Great Britain there were presented to the Museum the following preparations of hartshorn: hartshorn shavings, calcined shavings, cornu ustion, powdered calcined shavings, the same prepared in powder, and in annulated cones. These represented 57.5 per cent. of phosphate of lime and one per cent. of carbonate of lime out of every 100 parts of shavings. Other preparations were oil and spirit of hartshorn, and the carbonised residue after distillation. Hartshorn shavings were obtained also from the horns of the fallow deer and of the reindeer. A good account of the uses of hartshorn shavings is given in Lewis's "Materia Medica" (p. 253), and in Pereira's "Mat. Med." (Vol. II, Part II, p. 809).

Hashish.—*See* Cannabis Indica.

Haslett Memorial Medal.—On October 13, 1905, the Committee of the Chemists' and Druggists' Society of Ireland, meeting at Belfast, passed a resolution inaugurating a fund for the purpose of awarding a gold medal annually, in memory of a former President, the late Sir James Haslett, M.P., to the student gaining the highest number of marks in the Registered Druggist examination of the Pharmaceutical Society of Ireland. Particulars may be obtained from the Secretary of the Society, Mr. J. Moffet, 11 Waring Street, Belfast.

Hawker.—Any person who acts as a hawker must take out an Inland Revenue licence, annually, at a cost of £2. The definition of a hawker given in the Hawkers Act, 1888, is "any person who travels with a horse or other beast bearing or drawing burden and goes from place to place, or to other men's houses carrying to sell or exposing for sale any goods, wares or merchandise, or exposing samples or patterns of any goods, wares or merchandise to be afterwards delivered; and includes any person who travels by any means of locomotion to any place in which he does not usually reside or carry on business, and there sells or exposes for sale any goods, wares or merchandise in or at any house, shop, room, booth, stall or other place whatever hired or used by him for that purpose." Upon a first application for a licence, the applicant must produce a certificate showing that he is a person of good character and proper to be licensed to trade as a hawker. The certificate must be signed either by a clergyman and two householders of the place where the applicant resides, a justice of the peace or a superintendent or inspector of police. A hawker must keep his name and the words "Licensed Hawker" legibly written on every receptacle and vehicle used for the carriage of his goods, upon every room or shop in which his goods are sold, and upon every handbill or advertisement which he distributes or publishes. Certain persons are exempt from the liability to take out a hawker's licence, namely, a person who sells only to customers who are themselves dealers in the goods concerned and buy to sell again (this exemption applies to commercial travellers); "the real worker or maker" of goods is entitled to sell them; a person who sells only fish, fruit, victuals or coal; and a person who sells at a public market or fair.

Hawthorne Perfume.—Although there are numerous brands of "hawthorne" perfume obtainable on the market, the natural perfume of may blossoms, *Cratægus oxycantha*, is not a commercial article. All so-called hawthorn perfumes are based on anisic aldehyde, or aubepine, as it is generally called. This body, of the formula $C_8H_8O_2$, is a methyl ether of *para*-oxybenzaldehyde. It is an oil of specific gravity 1.1275; optical rotation, 0°; refractive index, 1.5730; and boiling point, 246°. It is manufactured by the oxidation of anise oil by nitric acid. It can also be prepared by heating toluene sulphonic chloride, a by-product in the manufacture of saccharin, with a solution of carbonate of soda at 100°; the sodium salt so formed is fused with caustic potash, and the resulting *para*-cresol liberated by means of hydrochloric acid. This is esterified by di-methyl sulphate and the *para*-cresol methyl ether is directly oxidised to anisic aldehyde.

Headache Powders.—When these are single drugs ("vended entire") the powders can be recommended for an ailment without incurring liability to medicine-stamp duty. The amidopyrin, aspirin, antifebrin, antipyrin, phenacetin or other drug must not be coloured or compounded with a diluent, if it is desired to benefit by the exemption referred to. The exemption applies only to medicines sold by qualified persons or persons holding a medicine licence.

The C.&D. Commercial Compendium

Health Insurance.—*See* National Health Insurance.

Health, Ministry of.—*See* Ministry of Health.

Health Salts, Displaying.—During the summer health salts are popular among all classes of people, and it is usual to have fairly frequent displays of the different proprietary brands in the window. The manufacturers themselves supply excellent display aids, in the way of pictorial showcards. It is advisable to limit the window display to one brand of saline and one set of manufacturers' showcards at a time. An aid to the introduction of a summer atmosphere into the window suitable for a health-salts display is a scenic background featuring a river, garden, seaside or sports scene. These may be obtained on stout paper and can be used over and over again, and when not required can be rolled up and stored out of the way till the next season. An alternative method is to have, say, a quarter of the window partitioned off during the summer (a window divider is useful for this purpose) and devoted to successive displays of salines and other summer articles. By this means it is possible to give the various proprietary salts and the selling aids in connection with them a prominent showing without trespassing too much on the space available for other regular selling lines. As far as the counter display of health salts is concerned, this should be linked up with the window to some extent by arranging a larger show of the particular brand that happens to be in the window at the time; but a representative selection of other brands may be included in the counter display.

Heating the Shop.—A shop in which an efficient method of heating is installed has a distinct advantage over one which is not heated or only half-heated, for, on cold days, customers find the warmth of the shop pleasant and comforting, and are more likely to prolong their stay. Another point is that assistants who are warm and comfortable are in a better position to handle goods efficiently and serve customers expeditiously than those who are suffering from numbed hands and feet. Oil stoves have been considerably improved of recent years, and are now made both safe and odourless. There is something to be said for the use of these small heating accessories in the small shop. They are not expensive; they are portable, and can therefore be easily removed and put away during the warmer periods of the year; they consume comparatively little fuel; but they require fairly frequent cleaning and overhauling. For shops with a room behind them it is possible to arrange for the same heating appliance to heat both the room and the shop. This double system of heating is effected by means of small household boilers, in conjunction with a radiator in the shop. A further advantage of this method is that the boiler can also be used for light cooking purposes, for boiling water, airing garments, and so on. A boiler takes up no more room than an ordinary built-in fireplace or gas stove, and will burn coke, or anthracite, or even refuse. The stoking involved is no more than that required for an ordinary household fire, and the average boiler does not need filling with water more than once a season. The radiator probably provides the most satisfactory system of shop heating. For small premises independently heated radiators can be used, but in the bigger shops centrally heated units, furnished with a continuous supply of steam or hot water from a boiler in the back of the shop or in the cellar, are probably more satisfactory. Locally heated gas radiators are obtainable in a variety of styles and colours; those with a bronze, black or aluminium finish are generally considered most suitable. One type of gas-heating radiator is that which has a capacity for creating radiant as well as convected heat, the radiator having an attractive addition in the shape of an open gas radiant, from which a warm glow of heat is expelled. It is advisable with this type, however, to take precautions against the danger of inflammable goods or assistants' clothes becoming ignited by having a wire guard placed in front of the radiant. Inflammable goods, or those likely to be affected by heat, should be stored or displayed at a reasonable distance from the heating unit. There are many points in favour of the use of radiators. Their installation does not involve damage or inconvenience in the shop. They are economical because they can be turned on or off as desired. Modern radiators are fitted with an automatic gas-regulating valve, so designed as to maintain an even, unvarying warmth, no matter what may be the changes of temperature in the surrounding air. Another type of heating appliance particularly suitable for use in the small shop is the syphon gas stove, an outstanding advantage of which is that no flues are necessary, all objectionable flues being automatically condensed within the stove and converted into liquid, which is passed into a loose tray at the bottom of the stove. In one type of these syphon stoves, in fact, it is claimed that the products of combustion are entirely consumed, and no pan is considered necessary. This stove is fitted with vitreosil chimneys, and an independent regulating pressure governor controls the gas consumption of each burner. Shops can also be heated by means of electric radiators. This method is not so popular, as it is more expensive; but for shops with electric lighting apparatus installed it has advantages, in that very few additional fittings are required. A point to be borne in mind in connection with the installation of a new heating system is that the radiators or heating units should occupy positions in which they will not appear unsightly or unduly conspicuous. They should also be of a colour which will blend as much as possible with the fittings and decorations of the shop.

Hellebore Root.—The black hellebore root of commerce should be the rhizome of *Helleborus niger* (Linn.), N.O. *Ranunculaceæ*, a native of Southern and Eastern Europe. It is but little used in this country, although occasionally imported from the Continent and used in veterinary medicines. The plant is well known in English gardens under the name of the Christmas rose, of which two or three varieties are grown, flowering from November to February. It is well known to drug brokers that the root of commerce is always more or less mixed with those of other species in varying proportions, as well as with that of *Actæa spicata*. This is easily distinguished by the infusion of the last-named drug being blackened by a persalt of iron and by the quadrangular shape of the four central woody bundles that have the shape of a Maltese cross, that of *Helleborus niger* being nearly cylindrical. Mr. T. E. Wallis has recently pointed out that there are no good distinctive characters of microscopic structure of the roots of *Helleborus viridis*, Linn., which is also an article of commerce in Germany. But, as Flückiger and Hanbury remarked, the price of *H. viridis*, which appears to be a rarer plant in Germany, is three to five times that of *H. niger*, so that it is not likely to be used for sophisticating the latter. *H. viridis* rhizome is also more bitter and acrid than that of *H. niger*. There is no doubt that wholesale dealers note some particular, either morphological or relating to the appearance and preparation of the drug, that serves their purpose better than the lengthy process of microscopically examining each root. It may be noted that quite reecently Dr. Adam Boros, of Budapest, pointed out in "Heil und Gervurzpflanzen," Bd. 8, Luf. 2, 1925, p. 109, that in Hungary *Helleborus niger* almost fails in commerce, but that the roots of *H. dumetorus*, *H. odorus*, and *H. purpurascens*, and, during the last few years, that of the *H. dumetorus*, have been collected in considerable quantity as a substitute for that of *Helleborus niger*. These species appear to be regarded by the peasants as possessing similar properties, but possibly differ in percentages of active principles, as that of *H. viridis* appears to do from that of *H. niger*, but this is a matter for future research. The original hellebore used by the Greeks is believed by Schroff to have been *Helleborus orientales*, Lam., since that species allows the bark to be peeled off, this part of the plant being used, whilst the rhizomes, *H. niger* and *H. viridis*, cannot be so treated.

Hemlock.—*See* Conium.

Henbane.—*See* Hyoscyamus.

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AMBRINE.
Dr. Barthe de Sandfort's preparation for Burns.
Slabs and Candles.

BOROSODINE (Lumiere).
Solution of sodium borotartrate for Epilepsy.

CARDIBAINE.
Pure crystallised strophanthine.
Drops and Ampoules.

CREOSAL.
Calcium mono-guaiaco-phosphate.
Syrup, Tablets, and Ampoules.

CRYOGENINE.
Metabenzamido-semi-carbazide. A powerful antipyretic and analgesic.
Powder, Tablets of 25 and 50 ctg.

DIGIBAINE.
An association of digitaline and strophanthine.
Drops and Ampoules.

ELIXIR BROMO VALERIANATE (Gabail).
An inodorous and tasteless elixir of valerian and strontium bromide.

FOSFOXYL (Carron).
A chemical compound of phosphorus and turpentine. A nervine tonic.
Liquid, Syrup and Pills.

GALYL.
An arsenical extensively used in the treatment of Syphilis.

HEMO-CYTO-SERUM.
An association of cacodylate, iron and strychnine.
Ampoules of 5 c.c.

HISTOGENOL (Naline).
A nuclein and arsenical preparation.
Elixir, Granular, Tablets and Drops.

IODASEPTINE.
Iodobenzomethyl monoformine. An intravenous antiseptic in chronic conditions.
Ampoules and Tablets.

KINECTINE.
A combination of quinine and hectine for Influenza, Hay Fever, etc.
Tablets in Tubes of 10.

MORUBILINE.
A non-fatty extract of cod-liver oil with various additions.

NEOCAINE.
A local anæsthetic.
Sterile Capsules and Ampoules.

NEOCAINE SURRENINE.
Neocaine, with adrenalin.
Capsules, Ampoules, etc.

NEO-TREPOL.
Bismuth metal. The original antisyphilitic introduced by Prof. Levaditi.
Ampoules.

PALUDASE.
A combination of quinine, iron, cacodylates, etc., for Malaria.
Ampoules of 5 c.c.

PANCREPATINE.
A special extract of the pancreas with liver extract for Diabetes.

PERSODINE (Lumiere).
Pure alkaline persulphates for hyperacidity, etc.
In Tablets.

RHEANTINE (Lumiere).
Anti-gonococcic entero-vaccine for oral administration.
In Capsules.

SEPTICEMINE.
Iodobenzomethyl-di-urotropine. An intravenous antiseptic in acute infectious diseases.
In Ampoules of 4 c.c.

STANNOXYL.
Pure Tin and Tin Oxide.
Specific in Boils, Acne, etc.
Tablets, Liquid, Ampoules, Gauze, Bath, etc.

TREPOL.
Tartro-bismuthate of potassium. Intramuscular treatment of Syphilis.
Ampoules.

URASEPTINE (Rogier).
A urinary antiseptic in granular form.

VALERIANATE (Gabail).
Odourless and tasteless valerian.
In Liquid form.

SPECIAL NOTICE.

STANNOXYL Tablets English Packing do not require a medicine stamp.

Retail Price - - 3/- per tube of 80 tablets.
Wholesale Price - 28/- per dozen tubes.

CLARKE'S BLOOD MIXTURE & OTHER PREPARATIONS

Wholesale Prices.

	SIZES.	PRICE PER DOZEN.
Clarke's Blood Mixture	3/- & 12/-	£1 : 7 : 0 & £5 : 8 : 0
„ Miraculous Salve	1/3, 3/- & 5/-	11/-, £1 : 7 : 0 & £2 : 4 : 6
„ Special Aperient Pills ..	1/3, 3/- & 5/-	11/-, £1 : 7 : 0 & £2 : 4 : 6
„ Patent Skin Lotion ..	1/3	11/-
„ Medicated Soap	1/-	9/-

Orders: Minimum quantity £16 : 4 : 0 value.
FREE CASES. Carriage paid upon orders of £100.

All Wholesale Houses keep a large stock of our Preparations and can supply smaller orders promptly.

Minimum Retail Selling Prices: **1/-, 1/3, 3/-, 5/-** & **12/-** Face Value, giving a **PROFIT** of **33⅓%** on cost to Distributors.

An attractive Showcard and Dummies supplied on application.

Trade Mark: "BLOOD MIXTURE." Regd. No. 3275.

Sole Proprietors:

THE LINCOLN & MIDLAND COUNTIES DRUG CO., LTD.
Park Street, LINCOLN.

SYRUP

(*ROBERTS*)

Recognised by the Medical Profession as

THE BEST TONIC.

Supplied in 8-oz. and 16-oz. Bottles by all the Wholesale Houses.

Inquiries Invited for
NEW & RARE MEDICINES
of French, Italian and Russian Origin.

ROBERTS & CO.,
76 New Bond Street, London, W.
5 Rue de la Paix, Paris.

NEW SEASON'S ADVERTISING CAMPAIGN

Lakerol

The World-Famous Bronchial Pastilles.

The sales of Lakerol will be vastly increased during the coming Autumn. The public **know** the value of Lakerol, and they will be still further convinced by the huge advertising campaign now commencing.

ADVERTISING THAT MAKES YOUR PROFITS BIGGER

The principal London Dailies and the morning and evening journals in most Provincial towns are being used to advertise Lakerol. Special prominence is being given to the Lakerol Competition Scheme which is already widely popular. Space has also been taken on the Tubes and Omnibuses. Are you ready to meet the demand?

SELL AT 1/3 PER TIN

TRADE TERMS
11/3 per dozen—Carriage Paid

Packing free. 2½% for cash with order of 6 doz. Otherwise net cash in 14 days. Bonus of 1 doz. with each ½ gross, and bonus of 2 tins with order of 2 doz. If window or counter display is given for 14 days.

Pastilles Ltd., 124 High St., Shoreditch, London, E.1

Dr. GRIP
The Genial Purveyor of Good Health and Business :: :: ::

Autumn is here!

—and winter is knocking at the door

PUT "GRIPS" on the customers' side of the counter and watch their faces as they renew acquaintance with this old friend. Nearly everybody knows that "GRIPS" are the finest medicated pastille in the world and nearly everybody has tried them. All the spade work has been done and your work is simply to let your customers see that you are alive to their wants and ready to supply them.

Advertised nationally—as usual.
Sales bigger than ever!
ORDER NOW to ensure early delivery.

AGENTS:
THOS. CHRISTY & Co., 4/12 Old Swan Lane, London, E.C.

'GRIPS' FIRST-AID PASTILLES

Made by LIGHTBOWNS of ACCRINGTON.

BELTONA

The New Treatment for Rheumatoid Arthritis, Rheumatism, Neuritis, Sciatica, Lumbago, Gout, Colitis and all Inflammatory Conditions.

We continue to receive astounding testimony of the efficacy of Beltona Treatment, the following are particulars of a case recently brought to our notice :—

A Lady suffering with Rheumatoid Arthritis was advised by her doctor to go and have her hip X Rayed at ——— Hospital. She did so, and was told that her hip would never move again owing to severe Arthritic Condition. For more than two years she could only move with difficulty, and suffered terrible pain. Seeing one of the Beltona Advertisements she decided to give it a trial, and to the astonishment of her doctor the hip is now free and she is able to walk. (This case is only one of hundreds of which we can give positive proof.)

We solicit your help in making Beltona more widely known, if you are not already stocking write to us for particulars of our display parcel, it will pay you handsomely.

STOCKED BY ALL THE PRINCIPAL WHOLESALERS.

Sole Proprietors:

BELTONA LTD. - HODDESDON, HERTS.

SPECIAL NOTE.—We have recently opened a Clinic at 20 Queen St., Mayfair, London, W., for demonstration and advice, and shall welcome a visit from you and your friends. 'Phone: Grosvenor 1334.

GET MORE CUSTOM THROUGH

The cold and frosty weather will mean more customers to you—if you stock Snowfire. Popular with all for its quick power to soothe chapped hands and cracked lips. Prominently display Snowfire in your window and it will bring customers into your shop.

KEEP YOUR STOCKS UP

Snowfire TABLET

In 3d. Tablets. Family Size 7½d.
Also in Nickel Containers 6d. & 1/-.

It will pay you to stock these other popular Snowfire lines which are in constant demand ALL the year.

Snowfire Cream
Snowfire Face Powder
Snowfire Shampoo
Snowfire Soap
Snowfire Shaving Stick
Snowfire Jelly
Snowfire Talcum

F. W. HAMPSHIRE & CO., Ltd., Riverside Works, Derby

Dr. BENGUÉ'S BALSAM

RHEUMATISM, NEURALGIA, GOUT.

PULMO (Bailly).—Dr. BENGUÉ'S DRAGÉES.
FORXOL.—HEMOSTYL.—EUPURGO.
Dr. BENGUÉ'S ETHYLCHLORIDE.
RICARD-CACHETS (Free sample on application).
ANESTILE. NARCOTILE. MUTHANOL.
EUPHORIAN AMPOULES (Entero-Antigens)

WRITE FOR SPECIAL TERMS Dr. BENGUÉ & CO., MFG. CHEMISTS, 24, FITZROY ST., LONDON, W. 1.

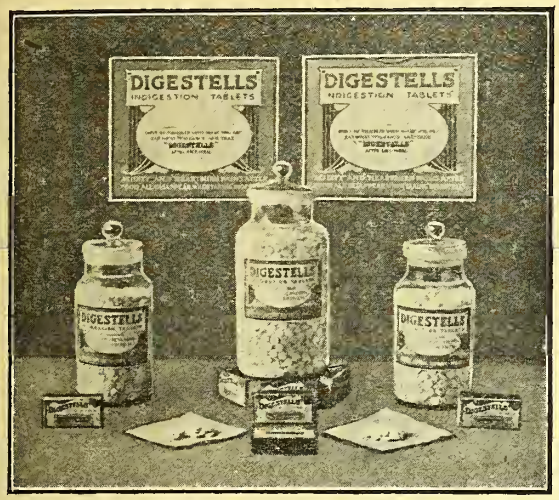
Wessanen's Cocoa Butter No. 1

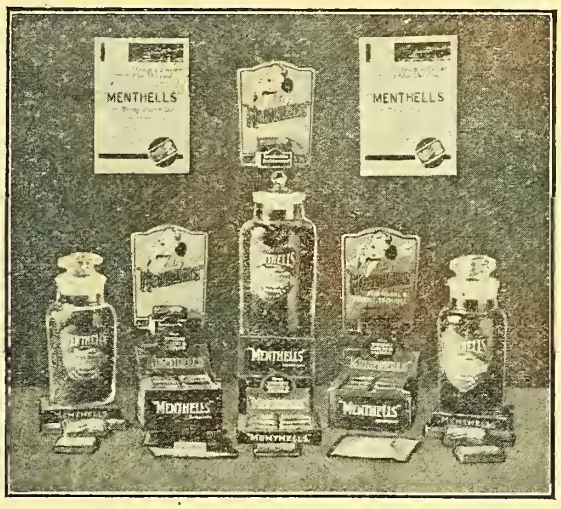
Wessanen's Edible Oils

Refined Cocoanut Oil

Sales Office:
COCOA MILLS WESSANEN,
12 Broom Lane, Broughton Park, Manchester.

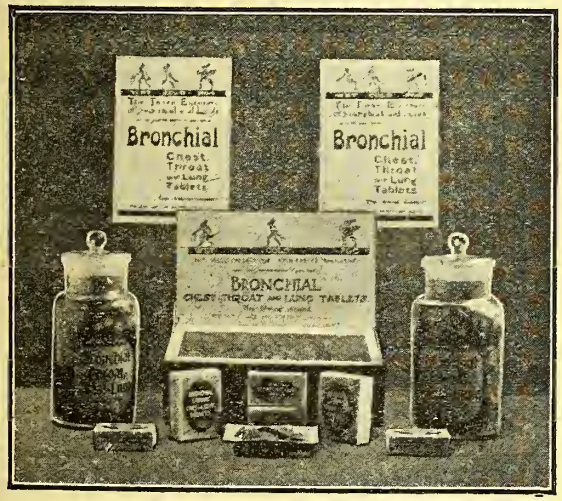
"DIGESTELLS"





"MENTHELLS"

BRONCHIAL
LOZENGES



HONEY, ANISEED AND CHLORODYNE COUGH PASTILLES

Illustrations of the show material supplied with four quick-selling lines manufactured by

BLYTON, ASTLEY & CO.

Eagle Laboratories, Lower Broughton, MANCHESTER

POISONS and PHARMACY ACT.

Privy Council Order, Jan. 1, 1921.

DANGEROUS DRUGS ACT, 1920.

Regulations of May 20, 1921. (Operative Sept. 1, 1921.)

Dr. J. Collis Browne's CHLORODYNE

is not affected by above Order or Regulations.

It does not require purchaser's signature.

Proprietors: **J. T. DAVENPORT, Ltd., 83/87 Union Street, S.E.1.**

SEAJOY PLASTERS

(Regd.)

The unfailing preventative of seasickness and all other forms of travel sickness.

Retail 3/- each.

Trade Terms and Particulars on application.

THE SEAJOY CO., PUTNEY, S.W.15.

Telephone: Putney 0414.

DR. BOW'S
LINIMENT.
Prepared by his Great-Great-Grandson

TRADE MARK REGISTERED

(J. D. R. BOW, Managing Director.)

RETAIL 3/-

The Gothic window and the name "DR. BOW'S LINIMENT" are Registered Trade Marks and appear on every bottle. Anyone using the name or any similar name is liable to be proceeded against.

The above label in Blue appears on outside wrapping.

DR. BOW'S LINIMENT, Ltd.

Works—7 South Gray St., Edinburgh.
Registered Office—3, 4 & 5 Queen St., Cheapside, London, E.C.4

CAPSULES

(CAPULVÆ)

FOR POWDERS, ETC. FILLED OR EMPTY. IN VARIOUS SIZES AND COLOURS.

SAMPLES AND PRICES ON REQUEST.

Santrocyl Capsules and Mosan's Preparations

JOHN W. MAWSON & CO., LTD.

WEST NORWOOD, LONDON, S.E.27

'Phone—STREATHAM 718.

ESTABLISHED OVER 60 YEARS

PERRYS POWDERS

FOR CHILDREN'S AILMENTS

TRADE *MARK.*

Wholesale from PERRYS POWDERS, Ltd., LEEDS

New Display matter free with every order.

Note this handsome label—only one of a wide choice.

MALT & OIL

Have you seen GOODALL'S pack and prices ?

PROSPECTS of a bigger Malt-and-Oil year than ever enable us this season to offer a value which we believe to be unequalled. After the most searching enquiry into quality and pack and prices, firms and retailers who are recognised as amongst the biggest and keenest buyers are giving their contracts to GOODALL'S.

THE latest prices mean no alteration in our well-known and unalterable quality—only modern packing methods and efficiency at every point have made the prices possible.

Wide choice of labels—perfectly imprinted with your OWN NAME if desired.

Send a card to-day for quotation and specimen labels.

let Goodall's quote.

Goodall Backhouse & Co., Leeds

Genoxide

REGD

THE NEW (12 vols.) PEROXIDE

"B.P. for purity—stable to the last drop"

THREE SIZES—POPULAR PRICES

4 oz. Retailing at 1/-
8 oz. ,, ,, 1/6
16 oz. ,, ,, 2/6

"Wholesale prices showing exceptionally attractive terms."

Special Terms for Window Display

GENOXIDE LTD. LUTON

Physiologically Standardised Preparations

LIQUID EXTRACT OF ERGOT

TINCTURE OF DIGITALIS

TINCTURE OF SQUILLS

The above preparations are tested in the Pharmacological Laboratories of the Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, W.C., and when sent out are labelled with a copy of the certificate issued.

TINCTURE OF SQUILLS.

"5c.c. of this tincture contain the activity corresponding to that in 10 c.c. of a tincture prepared from the international standard Digitalis Powder, as determined by a biological test carried out by the Pharmaceutical Society of Great Britain."

Copy of Certificate issued from the Pharmacological Laboratories,
17 Bloomsbury Square, W.C.1

7/9/26 Batch No. V. 2450

C. R. HARKER, STAGG AND MORGAN, LTD.

MANUFACTURING CHEMISTS - - LONDON, E.1

THE FINEST

ADEPS LANÆ

B.P.

Hydrous (*Wool Fat*) *Anhydrous*

IS PURCHASED FROM

CRODA LIMITED

RAWCLIFFE BRIDGE,
GOOLE, YORKS.

Telephone : SNAITH 34.
Telegrams : CRODA, GOOLE.

LIQUID PARAFFIN

Sterns B.P.
is guaranteed to be the finest quality of Liquid Paraffin produced. It has the patronage of the largest wholesalers, the recommendation of the Medical profession, and is used in the principal Hospitals in preference to all other kinds.

STERNS
LTD.,
80 Royal London House,
Finsbury Square,
E.C.2.

ANTIPHLOGISTINE

Write for quotation and secure extra discounts.

Write for quotation and secure extra discounts.

THE DENVER CHEMICAL MFG. CO.

41 *ST. ANN'S ROAD* - - - *LONDON, E.3*

Build your trade on a solid foundation!

When you push the Veno Trio your success is a foregone conclusion. It is based on the solid foundation of manufacturing efficiency, coupled with an honest desire to give the trade a profitable deal and the public a good thing.

Dr. Cassell's Tablets

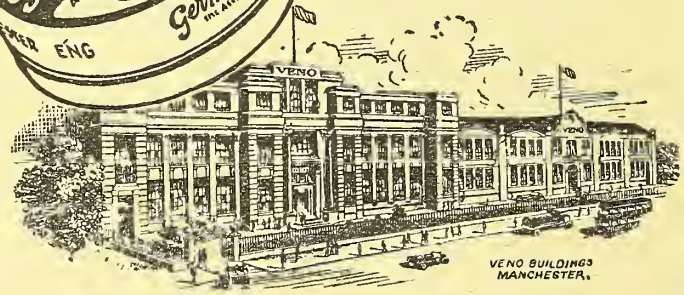
Germolene

Veno's Lightning Cough Cure

are advertised everywhere in the National and local Press and on the hoardings

Display Material of an effective character is supplied, and a splendid assortment of Show Cards & Window Material will be sent on request

Try a Veno Week It Pays!



"The Factory and its products."

Don't Forget GERMOLENE ASEPTIC SOAP

60% Profit!

PHOSFERINE

New Window Display Conditions

Monthly Account. ***Carriage Paid.***

For a small Central Window Display of not less than 14 days and an order for £5 worth of Phosferine we allow a bonus of 10/6, on a £2 10 0 order 5/3.

This shows a net profit on the transaction to the Chemist of 35%, besides attracting the passer-by to the window and considerably augmenting sales generally.

Should a £5 or £2 10 0 parcel not be required, any smaller quantity will be forwarded carriage paid, and can, if desired, be regarded as part of the £5 or £2 10 0 order. On completion of the order and a notification that the display is in progress the bonus will be allowed.

The above conditions apply only to the United Kingdom.

EXAMPLE.

		COST	SELLS FOR
3½ dozen 1/3 size at 12/- net	....	£2 2 0	£2 12 6
2 „ 3/- „ at 30/- „	....	3 0 0	3 12 0
		5 2 0	
Less 10/6 for Window Show	....	10 6	
		£4 11 6	£6 4 6

Showing a Net Profit of £1 13 0 on an outlay of £4 11 6.

Window Display Material Free and Carriage Paid.

WHOLESALE PRICES OF PHOSFERINE.

Carriage Paid.		*Monthly Account.*
1/3 size	....	12/- per doz. net.
3/- „	....	30/- „ „
5/- „	....	48/6 „ „
12/- „	....	114/- „ „

PROTECTED PRICES.

Phosferine and all of our Proprietary Medicines are supplied on the condition that they are not retailed in the United Kingdom under the following prices—viz., 1/3, 3/-, 5/-, and 12/-.

ASHTON & PARSONS, Ltd., Ludgate Hill, LONDON, E.C.4.

Telephone No.: CITY 8733. Telegraphic Address: "PHOSFERINE, CENT, LONDON."

IMPORTANT.—Every care is used in corking and packing Phosferine, but occasionally a leaky bottle will pass undetected. Any leaky or faulty bottle should be returned to Ashton & Parsons, Ltd., Ludgate Hill, London, E.C.4, when a fresh supply will be sent and postage refunded.

"BERINA" FOOD and BERINA MALTED MILK

Montgomerie & Co., Ltd., proprietors of the well-known "Bermaline" Bread, after careful research have succeeded in perfecting foods for infants, invalids and convalescents. These foods are "BERINA" INFANT FOOD and "BERINA" MALTED MILK.

"BERINA" Food is specially prepared for infants' use, and is a nourishing diet for invalids and the aged. The Malted Milk forms a splendid diet for children from a few months old, and for all who need a wholesome, appetising and very digestible food.

The makers of "BERINA" have overcome the difficulty of preparing foods which are nourishing without being a tax on the digestion, and an entirely new process of manufacture preserves the valuable properties of the ingredients while making them easy to absorb by the most tender digestive organs. Each ingredient contributes its quota of food value, flavour and digestibility, in just the right proportion to form a well-balanced diet.

The ingredients are Whole Cream Milk, Sugar of Milk, and Cream of Wheat in "BERINA" Infant Food, with the addition of Malt in the case of "BERINA" Malted Milk. Simple foods, but each is a natural food essential to life. The secret of combining these into a perfect diet is in the new process This has been a remarkable success, and the "BERINA" Foods are unrivalled for their nourishing and digestible properties. They do not curdle or become acid, and there is an entire absence of "cooked flavour." They will keep indefinitely when stored in a cool and dry place.

MONTGOMERIE & CO., LTD. (*Proprietors of "Berina"*), *Ibrox, Glasgow, will be glad to send free samples of the "Berina" Foods to Chemists on receipt of postcard.*

The Proprietors wish these Foods to be established on their merits and not through extravagant claims and press advertising.

THE CHEMIST AND DRUGGIST SUPPLEMENT

42 CANNON ST.
LONDON E.C.4

OCTOBER 30, 1926

This Supplement is inserted in every copy of The Chemist & Druggist.

THE SUPPLY OF SUPPLEMENTS.

The clerical work in connection with the posting of spare copies of the Coloured Supplement week by week has increased to such an extent that we have been compelled to reorganise our system of distribution. Our readers will please note, therefore, that in future, instructions can be accepted for not more than six successive issues of the Supplement at a time, and that in every case the name and full postal address should be written on

Post Office Wrappers, Stamped One Penny, to ensure prompt delivery.

Loose stamps will not be accepted.

CLOSING FOR PRESS.

MUST REACH US NOT LATER THAN **FIRST POST THURSDAY MORNING.**

ALL ADVERTISEMENTS INTENDED FOR INSERTION IN THIS SUPPLEMENT

CHEMISTS' TRANSFERS.

Messrs. Orridge & Co., 56 Ludgate Hill, E.C.

Telephone No.: CITY 2233.

May be consulted at their Offices on matters of Sale, Purchase and Valuation.

1.—LONDON, W.—For Sale for Removal Purposes, the Goodwill of an old-established Surgical Rubber Goods Business, returning about £15,000 per annum. Further information furnished on application.

2.—EPPING FOREST (Near).—Cash Drug Stores, with scope for considerable increase under qualified management; returns £1,500 per annum, at usual prices; well-fitted shop, moderately stocked; good house, held on lease; price, £1,250.

3.—MIDDLESEX (Few Miles Out).—General Retail Business, with Kodak Agency; returns about £2,000 per annum at good prices; double-fronted shop; held on lease at moderate rental; price £1,250, or valuation terms entertained.

4.—ANGEL (Near).—General Retail and N.H.I. Dispensing; established many years; returns £2,500; net profit £600; modern double-fronted shop, with good working stock; rent £80; 19 years' lease unexpired; price £1,750.

5.—EALING (Near).—Light Retail, Dispensing and Photographic Business; established many years; returns £2,500 per annum; gross profit 40 per cent.; double-fronted shop; good working stock; six-roomed house, bath-room; moderate rent; lease, 16 years unexpired. Further details on application.

6.—ELEPHANT AND CASTLE (Few Minutes from).—Cash Drug Stores and Herbalist; established 30 years; returns, £34 to £40 weekly; corner shop in main road; good living accommodation; held on lease; price for immediate sale, £550.

7.—DEATH VACANCY (Home County).—General Retail and Dispensing Business; returns between £1,200 and £1,400, with scope for increase; double-fronted shop, with good house and garden. Executors wish to dispose of the premises, on which there is an unexpired lease of 75 years. Further details on application.

8.—SOUTH COAST.—Modern Retail Business, with Kodak Agency; returns between £3,500 and £4,000; net profit £850; very attractive double-fronted shop; good stock; comfortable residence. Vendor wishes to sell Freehold for £1,500; price of business £2,500, or goodwill £600, plus valuation of stock and fixtures.

9.—KENT (Within easy reach of Town).—Cash Retail and Dispensing Business, with Kodak Agency; returns for current year will be about £2,000; net profit £600; single-fronted shop; small living accommodation; private entrance; rent £40 per annum; long lease; terms: lease, goodwill and fixtures £1,200, plus stock at valuation.

10.—WEST OF ENGLAND.—General Retail, Dispensing and Photographic Business, old-established; returns £2,030; net profit £400; double-fronted shop; living accommodation; electric light; private entrance; garden; price, to include property, £1,450; there is an existing mortgage of £500, which can be taken over.

11.—NORTH OF ENGLAND.—Family Retail and Dispensing Business, with good Shipping connection; established 40 years; returns approach £4,500, and net profit £850; living accommodation; stock and fixtures estimated at £2,700; rent £80; property may be purchased; price for the business £3,200, or near offer.

12.—HOME COUNTIES (20 Miles Out).—Very good-class Retail and Dispensing Business; established about a century; returns exceed £40 weekly; gross profit 35 per cent.; single-fronted shop, heavily stocked; sub-lets show £77 per annum profit rental. Further details on application.

13.—YORKS.—Good-class, old-established Business, returning about £6,000 per annum; gross profit £1,800; imposing corner premises; well-fitted pharmacy, heavily stocked; new lease will be granted; price, to include goodwill, stock and fixtures, £3,650.

14.—CORNWALL.—Medium-class Business; Dispensing, Prescribing and Photographic; returns average £1,450, with scope for increase in the hands of a younger man; double-fronted shop; good working stock; net rent £28; held on lease; price £750.

Messrs. O. & Co. desire to emphasize the necessity of a periodical Statement of Account by which means alone **Profit, the value of Business, &c.,** can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted and eventually becomes confusion and loss.

Valuations for Stocktaking

Messrs. O. & Co. are prepared to undertake these essential duties and make **Special Terms** for such service.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.4

The Association of Manfg. Chemists,

— LIMITED —

Business Agency Transfer and Valuation Department,

Head Offices—**Kimberley House, Holborn Viaduct, London, E.C.1 (and at 2 Eixteth Street. Liverpool)**

PARKIN S. BOOTH, *Accountant and Valuer.* *'Phone: City* 1261-2-3

BUSINESSES FOR DISPOSAL

1.—MANCHESTER SUBURB.—Old-established Business in busy suburb; well fitted and stocked; corner position; good house; on lease; returns £700-£1,000, all cash; rent £50 p.a.; let off 14s. 6d. p.w.; price for quick sale £500 all at, or nearest offer. (74)

2.—NORTHUMBERLAND.—Recently-established Cash Pharmacy, with Kodak Agency; average takings £15 15s. per week, which could be considerably increased by energetic qualified man; lock-up shop, rent 5s. per week, house attached; price for goodwill and fixtures, £275; stock to suit purchaser; offers invited. (36)

3.—ALFRETON, DERBYS.—Old-established Business, held on lease, 7 years to run; rent £50 p.a.; returns over £2,000 p.a.; premises on main road, and consist of shop, large house, 4 outside warehouses and garage; proprietor, unqualified, and devoting his time to optical business; price £1,500 all in, or £1,300 without optics; exceedingly good opportunity for energetic Chemist; well worth investigation. (84)

4.—HANWELL.—High-class Dispensing and Retail Business for quick Disposal; established 30 years; held on lease, with 16 years to run, at a rental of £75 per annum; returns average £50 per week, all cash; stock about £700; good house attached; price £1,750. Write for particulars and order. (77)

5.—LONDON, S.W.—Unique opportunity to acquire Cash Retail Dispensing Business, established over a century, situated in busy main thoroughfare; lock-up shop, with store room above; lease 13 years at £100 p.a.; returns approximately £50 per week under management; well fitted and good saleable stock carried; price for quick sale, £1,750. (38)

6.—STAFFORD.—Good-class Retail Dispensing Business in busy thoroughfare; double-fronted lock-up shop on lease, 7 years to run, at a rental of £20 per annum; returns average £25 a week; stock about £600; offers invited. (86)

7.—GRIMSBY.—£1,000 will be accepted for an old-established Business, freehold, taking £25 a week, all cash; house, shop, warehouse and cellar; stock amounts to approximately £200; death vacancy. Write for further particulars and order to view. (75)

8.—LONDON SUBURB.—Smart up-to-date Cash Drug Stores in good-class district, main road, prominent position; new double front (mahogany and marble), mahogany fittings; returns, £30 per week; could be doubled in registered hands; Kodak Agency; owner-vendor will grant 42 years' lease; specially recommended, £1,750; £650 cash, balance to be arranged. (64)

9.—LONDON, N.—The opportunity occurs for energetic chemist to acquire really good Business in a busy locality; double-fronted corner shop, new front, modern fittings; established a century; rent, £80; returns average £45 per week; N.H.I. £40 per month; net profits, £500 a year; strongly recommended; price, £1,750. (79)

10.—TO CLOSE A TRUST.—SALFORD.—Old-established corner Shop, with 3 large windows and large house, part of which could be sub-let; rent, £120 p.a.; returns, £2,000, all cash; price for goodwill, £300; stock and fixtures, about £900; well worth inspection; write for further particulars. (81)

11.—LONDON, S.E.—Cash Drug Stores in busy main road, thickly populated district; turnover last year £755, all cash; could be doubled in qualified hands; no serious opposition; good living accommodation; large garden; quick sale, £500, or near offer. Write for further particulars and order to view. (66)

12.—ESSEX.—Old-established, good-class Family Business in nice district, on lease 20 years at £150 p.a., comprising three shops and house, two shops being let at a rental of £267 p.a.; very little Dispensing; returns £42 per week; stock about £1,200; Kodak Agency; excellent living accommodation; separate entrance; good reasons for disposal; for quick sale price £2,300 all at, or nearest offer. (85)

13.—MANCHESTER SUBURB.—Good-class Dispensing and Retail Business in charming residential suburb; returns, £30 per week, all cash; no opposition; Kodak Agency; freehold will be sold £1,000, or let on lease at £90 p.a.; price for lease and goodwill £250; stock and fixtures at valuation, approximately £750. Further particulars on application. (82)

Stocktaking and Valuation of Businesses undertaken at moderate inclusive fee. Chemists are invited to consult us in respect of their requirements in connection with sale or purchase of businesses. Chemists in the North are requested to communicate with our Liverpool Offices.

We are now booking dates for annual stocktaking for November and December.

BERDOE & FISH

WILLIAM S. FISH.

VALUERS AND TRANSFER AGENTS,

41 Argyle Square, KING'S CROSS, W.C.1
(one minute from St. Pancras and King's Cross Stations).

1.—WEST MIDLANDS.—Old-established, good-class Family Business in excellent position of busy market town; returns £3,250; good profits; large house and shop; heavily stocked; price £2,500

2.—NORTH-EAST COAST.—Good-class Business, in popular seaside resort; returns £1,300; good prospects; main road position; well stocked; through ill-health will accept £850 for early sale.

3.—DERBYSHIRE.—Unopposed Mixed Country Retail, with Wines and Spirits; returns nearly £1,800; net profit £550; house attached; low rent; heavily stocked; owner retiring; price £1,250.

4.—KENT COAST.—Unopposed Village Business with good season trade; returns over £1,000 at full prices; scope for increase; small house; long lease; well stocked; price £600.

5.—MONMOUTHSHIRE.—Middle-class Retail, in large town; returns average £2,030; books audited; house attached; stock and fixtures worth £650; price, with property, £1,450; mortgage arranged.

6.—LONDON, S.W.—Profitable Cash Retail; under unqualified manager; returns about £1,550; plenty of scope; low rent; small living accommodation; price £775; worth attention.

7.—LONDON (WESTERN SUBURB).—Profitable Cash Retail; under unqualified management; present returns £10 a week; was doing £18; rent 15s. a week clear; price for quick sale £350; suit beginner; owner left trade.

8.—TOTTENHAM COURT ROAD (near).—For quick disposal, very profitable Chemist's Business, with Optics; returns £1,650; net profit £699; books audited; modern well-fitted pharmacy; good stock; price £1,000; £350 can remain.

STOCKTAKING VALUATIONS.

May we quote you a price for doing this important work? Stocktaking, to be of real use, should be done thoroughly, and with our experienced and expert staff we are able to guarantee this, at the same time carrying out the work quickly and without upsetting the general routine of business. We are now booking dates for November and onwards.

ESTABLISHED 1870. Telephone: 0651 Museum.

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Chemists' Valuer and Transfer Agent.

3 ST. PAUL'S CLOSE, WALSALL.

Telephones: 774 and 1000.

London Representative:—

Mr. S. F. CLARK, 34 Marksbury Avenue, Richmond, Surrey.

JOHN BRIERLEY

Chemists' Valuer and Transfer Agent,

135 Queen St., Newton Heath, Manchester

Valuations for Stocktaking and Transfer. Expert service, low fees.

Telephone—Failsworth 113

SALE BY AUCTION.

By Order of the Receiver, in the matter of H. P. Samuels & Co., Ltd., also *re* C. V. Franklin, Esq., and other Estates.

B. NORMAN & SON

Will Sell by Auction at their Sale Rooms, 5 Little Britain (close to G.P.O.), E.C., WEDNESDAY, NOVEMBER 3, at ONE,

CHEMISTS' & DRUGGISTS' FITTINGS & SHOWCASES, including Dispensing Counters and Screens, Druggists' Labelled Nests of Drawers, Wall Fittings and Recess Mirrors, Chemists' and Perfumers' Mirror-lined and other Wall Showcases, Counters with slope front and mirror doors at back, all Plate-glass Counters, Silent Salesmen and Centre Showcases, Plate-glass Shelves, Cash Desks and Tills, Office Furniture, Safes, Typewriters, Linoleum, Chairs, etc.

On View Day Prior.

Catalogues of the Auctioneers as above. Tel.: Central 6463 (2 lines).

BUSINESSES FOR DISPOSAL.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may if preferred have replies addressed to this Office and forwarded on payment of an additional charge of 1/-.

BERKS.—Splendid opportunity to acquire a genuine old-established Country Mixed Business; N.H.I. and usual Dispensing; Kodak and Ingersoll Agencies; large house and ground, 40 ft. frontage main road; well stocked; nearly all cash trade; price, including property, £2,750. Apply 257/36, Office of this Paper.

KENT.—Chemist, Optical and Photographic Business for Sale; long lease or freehold may be bought; fine opportunity young qualified. Apply, first instance, Robertson, Chemist, Folkestone.

LONDON SUBURB, E.—Good opportunity for a young, energetic Chemist to acquire smartly fitted Pharmacy in good working-class neighbourhood; lock-up; at present somewhat neglected, but capable of great increase under proprietor's supervision; price in or about £750. Reply 257/39, Office of this Paper.

MANCHESTER (within 2 miles).—A sound old-established Business; well fitted and stocked; corner shop in very densely populated district; good living accommodation; electric light throughout; lease can be arranged; immediate opportunity, with scope to do good business; leaving for health reasons; unique offer; price, £825 for quick disposal; no triflers. 260/18, Office of this Paper.

MANCHESTER.—Old-established Business; industrial district; badly neglected; present turnover £800, not including 250 to 300 N.H.I. scripts per week; could easily be doubled by good owner; bargain; will accept £850 for quick sale. 92/152, Office of this Paper.

MIDDLESEX.—Chemist Business; double-fronted; electric and gas; low rent; lease; 5 rooms, garden; good prospects; established 12 months; suit qualified or unqualified; price £450; stamp. 259/2, Office of this Paper.

MIDLANDS (near Birmingham).—Drug Stores, with Household Furniture and all Utensils, for disposal; large shop, well stocked saleable goods; good position; main road; remarkable opportunity for N.H.I. and Photography; receipts last year £800; can be trebled under qualified management; large house, five rooms; private entrance; moderate rental; price for quick sale, all at £825. Apply "C. H. A.," 255/39, Office of this Paper.

MIDLANDS.—Drug Store; good business for single man: owner having other business, must sell; stock only to take to: £100 or nearest cash offer (worth double); doing, under management, £10 weekly; has done £25; purchaser guaranteed against loss; residential neighbourhood; gas, electric; rent, 12s. weekly, clear. 260/22, Office of this Paper.

STRATFORD.—Chemist Business, doing £15 weekly; very few patents; scope for increase; rent 12s. 6d.; long lease; small living accommodation; £220 all in. 254/30, Office of this Paper.

S.W. (working-class neighbourhood).—Good paying Cash Business and Property; profit about £650; capable of improvement; price asked, £1,450. Write "D.," 254/2, Office of this Paper.

WEST LONDON (few miles out).—Old-established Light Suburban Retail and Dispensing Business, in good main road position; turnover last 3 years, £2,235, £2,358, £2,580; net income about £700; books audited; convenient house, bathroom, etc.; long lease; net rent £55; will accept £1,600 cash. Apply "Genuine," 92/150, Office of this Paper.

WEST RIDING.—Cash Retail Chemist's Business; returns £1,500 under management (proprietor would greatly increase); rent on lease; Kodak Agency; N.H.I. work could be greatly increased; an opportunity for a pushing man; good house accommodation. Apply 257/22, Office of this Paper.

CHEMIST'S Business; established 100 years; same hands a life-time; Panel average 1,000 month; long lease; main road position; exceptional reason for selling; price for a quick sale, only £600, and valuation of stock; a genuine sacrifice; no agents entertained. 261/1, Office of this Paper.

DEATH VACANCY.—Lancashire Borders. A genuine double-fronted, neatly fitted Pharmacy, in excellent condition, situated on a main road; turnover about £1,200; rental, £60, on lease for shop and house; a young man could greatly increase trade with up-to-date side lines such as Photography; price, goodwill to be arranged, and stock and fittings at valuation. Apply to Thos. Tomlinson & Son, Chemists' Valuers, 45a Market Street, Manchester.

FOR disposal, old-established and high-class Chemist's Business, together with the stock, fixtures, and freehold business premises, which include good dwelling-house; returns average £3,000 per annum at good prices; principals only. Seaton Gray, White & Co., Solicitors, Whitby.

HEALTH RESORT, YORKSHIRE.—Cash Drug Business for Sale in small town on Yorkshire coast; turnover between £1,500 and £2,000 per annum; stock and fixtures by valuation and goodwill by arrangement. Apply W. S. Robinson, Alma Chambers, Scarborough.

R.U. LOOKING for a Business? I have one to dispose of to a qualified person; situated on a main road, Manchester, close to two cinemas and dance hall; lock-up; handsomely fitted; any reasonable offer accepted; stock optional; £50 deposit will secure possession; long lease. Mellor, 162 Elizabeth Street, Hightown, Manchester.

SEASIDE Business for disposal; returns, winter £18-£23, summer £25-£44 per week; shop at present lock-up; house vacant later; good residential district and scope for increase, as shop is situated on fringe of a growing suburb; price £700 to winter buyer; only *bona-fide* inquiries entertained. 258/32, Office of this Paper.

£150 CASH, all at; bargain; Cash Chemist; about £9 10s. weekly; should do double or more after strike; single-handed business; 6,000 population around; must sell, old age and rheumatism; Kodak, N.H.I., Prescribing; no goodwill; no opposition, nearest 2 miles; stock, fittings, fixtures, etc., worth about £400; rent 10s. clear, with room above; nice house with garden vacant if wanted. "Chemist," Chesterfield Road, North Wingfield, near Chesterfield.

£350 WILL purchase smart little Business, Toilet Goods, Patents and Photographic (Kodak Depôt), situated in busy London Station; lock-up shop; held on lease; 20s. a week rent; taking £600, under female management (unqualified); nicely fitted, well stocked, with exceptional scope for increase. 257/19, Office of this Paper.

BUSINESSES WANTED.

ADVERTISER, engaged for some years successfully managing Retail Pharmacy with £10,000 per annum turnover, is desirous of purchasing good-class Business, preferably South Coast, but not essential; cash available about £3,000; being thoroughly experienced in managing and buying, he would be willing to enter into negotiations for any good-class business either to purchase outright or take an active and financial interest in one where the proprietor is desirous of taking things easier; trade, banker's, or personal references supplied, in confidence. 258/26, Office of this Paper.

IMPORTANT.—To Travellers and others. £10 reward for information leading to the purchase of a genuine Business; modern double-fronted shop preferred; shopping district; living accommodation; capital about £1,000; full particulars (in strict confidence); would entertain suggestion for opening new business. 260/17, Office of this Paper.

WANTED, sound Business, within 30 miles of Birmingham or Manchester, returning about £40 weekly; with Kodak Agency preferred, not essential. Please give full particulars in first letter. 257/32, Office of this Paper.

WANTED to purchase by established Retail Chemist, Chemist's Business in good district, London or any important centre; turnover £50 per week or over; Kodak Agency desirable; premises on lease; stock at valuation; cash paid. All communications treated in strict confidence. 254/35, Office of this Paper.

WANTED, Business in country town or good shopping village, with scope, Hertfordshire, Midlands or Lincolnshire preferred; would consider opening; good house and garden essential. 260/33, Office of this Paper.

WANTED, Business returning about £16 weekly and capable of considerable increase; large stock not wanted; must have good living accommodation, with bath room; southern locality preferred, near London. State particulars of rent, lease, price, etc., to "Chemist," 260/32, Office of this Paper.

PREMISES TO LET.

SUTTON, ELY.—To Let, excellent modern Shop and large House, with good garden, out premises, garage, etc.; has been Chemist's for last 50 years; vacant possession; splendid opportunity for qualified man; large village; only Chemist in district; fixtures, fittings, etc., and small stock at nominal price of £75; rent £50; lease granted. For particulars apply Boultbee, 29 Clarence Road, Norwich.

PREMISES FOR DISPOSAL.

DISPENSING CHEMIST.—A grand opportunity to establish a paying Branch in wonderful position close to Tube Station near Golders Green, where hundreds of new houses have recently been erected and occupied; a handsome parade of shops recently completed, adjoining the station, in what will shortly become a densely populated neighbourhood; capital residential flat over shop; premises can be rented at £300 per annum or sold freehold at £3,000; a wonderful chance for a progressive man. Leslie Raymond, F.S.I., F.A.I., The Estate Offices (facing Tube Station), Golders Green, N.W.11. Telephone: Speedwell 1601 (3 lines).

PARTNERSHIP.

QUALIFIED CHEMIST, aged 30, splendid experience and of absolute integrity, with £500 capital, desires to get in touch with Chemist with view to opening new Business or taking over existing one on Partnership basis. Reply (in confidence) 258/27, Office of this Paper.

YOUNG Chemist, hard worker, may purchase half my Business for £900 and complete within three years; Charing Cross 10 miles; middle-class Retail; Kodak Agency; rapidly developing district; expenses low. 257/24, Office of this Paper.

AGENCIES.

INDIA.

AN old-established firm of Bombay Merchants is anxious to get into touch with Manufacturers of

(1) FINE CHEMICALS,
(2) SURGICAL DRESSINGS,
(3) PROPRIETARY MEDICINES,
(4) Also COD LIVER OIL.

These requiring a live organisation to represent their interests in India should write to 91/146, Office of this Paper.

FOR SALE.

SALTER'S Albion Automatic Personal Weighing Machine, recently bought, listed at £16, accept first cheque £7 15s.; also 15 ft. Mahogany Wall Fixtures, all glass cupboards and cases, including 20 ft. shelving and window enclosures, worth £100, accept cheque £25, carriage forward; also Gallon Percolator, 21s.; Maw's Suppository Mould, 12-15 gr., 9s. 6d.; bent Counter Case, 6 ft. long, £4 15s. Craingold, Chemist, 146 Cheetham Hill Road, Manchester.

SITUATIONS OPEN.

RETAIL.

[*HOME.*]

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may if preferred have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

BRENTWOOD, ESSEX.—Manager, qualified, wanted for branch; with or without living accommodation; must be experienced and capable; also unqualified Assistant, not under 26, for Chelmsford. Apply, giving fullest particulars, salary expected (photo if possible), to T. Bellamy, Pharmaceutical Chemists, 2 Tindal Square, Chelmsford.

BRISTOL.—Smart Junior wanted; must be capable Dispenser and good Counter-hand. Apply, stating age, height, salary (outdoors), when disengaged, with experience and references, to F. Moss, 183a Redland Road, Bristol.

CHESHIRE.—Qualified Branch Manager (gent.), outdoors, required for good-class Retail and N.H.I. Dispensing business; capable Counterman essential; aged about 28; salary £4 4s. Address, stating age, height, references, and enclosing photo (to be returned), to 257/1, Office of this Paper.

CROYDON MENTAL HOSPITAL, Upper Warlingham, Surrey.—Lady Dispenser wanted; must be fully qualified, and one with a knowledge of Photography preferred; age not to exceed 30 years; salary commencing at £120 per annum, rising by annual increments of £20 to £180, together with board, lodging and washing, which are at present valued at £71 3s. for superannuation purposes. Apply at once to the Medical Superintendent, stating age, qualifications, and enclosing copies of two recent testimonials, with photograph.

CROYDON.—An experienced male Assistant required, age about 25. Apply, giving full particulars of experience, salary required, etc., to C. Dickinson, 119 South End, Croydon.

FARNHAM.—Junior Assistant for high-class Retail and Dispensing business. Please state age, height, experience and salary (outdoors) to Trimming & Co., Ltd., Alton, Hants.

FOLKESTONE.—Wanted, qualified Assistant, age 25 to 30, experienced in good-class Dispensing business. Please give full particulars as to experience, references, and salary required (outdoors). Applications not answered in one week declined with thanks. Hall & King, Chemists, Folkestone.

GLOUCESTER.—Qualified Branch Manager required, young, with business ability, for Dispensing and Counter. Please state references, salary and full particulars in first letter. Applications not answered in 7 days respectfully declined. Wesley Croft, M.P.S., Dispensing Chemist, High Street, Gloucester.

LONDON, E.1.—Immediate, two (2) qualified Assistants required (one as Manager branch), also one unqualified; must be good all-round men accustomed to working-class; good salaries. Apply Mabyn & Co., Ltd., 1 King David Lane.

LONDON, N.—Lady Assistant, unqualified, wanted, experienced in Dispensing, Counter work, Window-dressing, Photography; good salary for good service. Apply, giving particulars of experience, to Cooper, 93 Tottenham Lane, Hornsey, N.8.

LONDON, W.2.—Qualified Assistant (male) wanted as soon as possible; previous experience in good-class business essential. Apply, with full particulars, age, height, experience, and salary expected, to H. F. Stapley (Moore & Co.), 45 Craven Road, Lancaster Gate, London, W.2.

LONDON, W.—As Junior, man, experienced and energetic; must be smart, neat, quick, and absolutely reliable; permanency; outdoors. Apply, with full particulars, age, height, experience, references, and salary required, enclose photo (returnable). Cofman's Pharmacy, 129 Baker Street, W.1.

MANCHESTER.—Elderly qualified wanted for small branch; easy hours; light duties. Give full particulars in first letter. "Chemist," 254/38, Office of this Paper.

MANCHESTER.—Wanted at once, thoroughly experienced unqualified Assistant, accustomed to N.H.I. Dispensing, Photographic, etc.; good Counterman and Window-dresser essential. State age, experience and salary required. H. Garbutt, 95 Princess Road, Moss Side, Manchester.

MIDLANDS.—Wanted, qualified, not above 30, able to take charge. Send all particulars, photo if possible, salary required, soonest can be disengaged. Bates, 30 New Road, Willenhall, Staffs.

ST. THOMAS'S HOSPITAL, S.E.1.—Qualified Assistant (male) wanted; hours 9 to 5; salary to begin at £200 a year; additional payment for extra duties. Apply, in the first place by letter only, to H. Rodwell, Pharmaceutist.

S.W.6.—COMPETENT, qualified Assistant for Cash Retail, N.H.I.; working-class district; suitable for one requiring a permanency. State age, salary, married or single, and experience to 258/33, Office of this Paper.

TUNBRIDGE WELLS.—Capable and energetic Assistant wanted in good-class business; chiefly required for Front Counter and Window-dressing. Applicants will please supply full details of age, experience, and salary required to A. E. Hobbs, 33 Mount Pleasant, Tunbridge Wells.

WEST-END.—Qualified, of good appearance and address, for first-class business; West-End Dispensing experience necessary; knowledge of French advantageous. Apply by letter, giving full particulars, which will be treated with every confidence, 260/34, Office of this Paper.

WEST YORKSHIRE.—Wanted, Qualified Manager; mixed business; main thoroughfare; progressive town; one accustomed to Photography. Apply, and give last two employers for reference, 260/14, Office of this Paper.

A QUALIFIED Lady or Gentleman for Staffordshire mining village; easy berth, with no worry. Full particulars to Thatcher, Caldmore, Walsall.

ASSISTANT, male, whole or part-time, for Stock and Dispensing. In reply, please give full particulars as to age, salary, recent references, experience, etc., to "South London," 260/29, Office of this Paper.

GOOD situation forthwith; fully qualified M.P.S.; elderly man preferred; state experience, salary required, etc. Apply Holmehurst, 106 Colmanhay Road, Ilkeston.

JUNIOR or Improver required for first-class mixed business, with Photographic and Agriculture, in Norfolk. Apply with full particulars, salary required, photo, 258/18, Office of this Paper.

JUNIOR Assistant required for light Retail and Dispensing Business. Apply by letter, with full particulars, enclosing photo, to A. B. Higgs, Chemist, Horley, Surrey.

JUNIOR (lady or gentleman) for N.H.I., Counter and Books. All particulars, height, age and experience, etc., to Booth, Chemist, Glastonbury.

JUNIOR Assistant and an Improver required for middle-class district, 12 miles from London (south), both unqualified; must have been well trained. Please state height, age, when disengaged, salary required, with full particulars of training; photo if possible. 259/40, Office of this Paper.

MAN, qualified, for middle-class trade; N.H.I. Prescriber; permanency; Liverpool district; references, etc. "Ferrum," c/o Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool.

PART Evening-time Assistant required, with good-class experience. Apply to Amoore & Co., 173 Sloane Street, S.W.

QUALIFIED Chemist, young, energetic and courteous; preferably an Optician also holding the B.O.A. or S.L.C. diploma. Full particulars, age, references, salary required, and photo to Norman's Pharmacies, Ltd., 113 Heyworth Street, Liverpool.

QUALIFIED Assistant wanted (lady or gent.); recently qualified or middle-aged not objected to; Essex town. Full particulars in first letter. 254/34, Office of this Paper.

QUALIFIED Assistant (lady), for nice middle-class trade; comfortable position; £2 a week; live in; plenty of freedom; or would consider elderly man; live out. Ellwood, 41 Lamont Road, Chelsea, S.W.

QUALIFIED Assistant to manage small branch; good Salesman and Window-dresser essential. Please state experience, age, salary, etc., when disengaged, with recent photo, to C. A. Stokes, M.P.S., 34 Lower Castle Street, Bristol.

QUALIFIED (lady or gentleman) wanted immediately for East London suburb (nice shop); Counter and Dispensing. State experience, salary, etc., to "A. B. C.," 259/17, Office of this Paper.

QUALIFIED Chemist (50-55) for small Branch; permanent; near Newcastle-on-Tyne; abstainer; references; moderate salary. State age and when at liberty. 260/1, Office of this Paper.

REQUIRED, capable Lady or Gentleman, aged 28-30, to manage business in busy part of London; must have best credentials, full knowledge Dispensing (N.H.I.), Counter work, etc. State age, height, salary, fullest details. Apply 259/15, Office of this Paper.

SMART, competent Assistant for high-class business; one requiring time for study; hours 9 to 5.30, Saturday 1.30; no Sunday or holiday work. "M.," 278 Bishopsgate, E.C.2.

VACANCY for qualified, capable Assistant with good all-round experience, including Photographic and Window-dressing. Apply, stating experience, salary, and references, to Barron, Chemist, High Street, Epping.

WANTED, Junior Assistant; one just out of his apprenticeship would do; must be good Dispenser. Apply James', Chemists, 182 Stroud Green Road, N.4.

WANTED for November 29, part-time qualified (Minor or Hall) Dispenser for the Ditchling Road Branch of the Brighton and Hove Dispensary; three mornings, Monday, Wednesday, Friday, 9.30 to 12.30; six evenings, 5 to 7; no Sunday duty. State age, qualification, experience, salary required, and enclose copies of two recent testimonials to Assistant Secretary, 113 Queen's Road, Brighton.

WANTED, Senior Assistant in Optical Department; good Refractionist and experienced with optical instruments; liberal salary, with scope. Apply, stating age and experience, Reynolds & Branson, Ltd., Leeds.

WANTED at once, Qualified Man, abstainer, for Branch, Retail and Dispensing; working-class neighbourhood. Call after six, Watson's Drug Stores, Ltd., 39 Bramley Road, W.10, opposite Latimer Road Station (M.E.T.)

WANTED.—A good all-round Assistant, qualified (male), required for a Dispensing and Retail Business. Lloyd, 267 King's Road, Chelsea, S.W.3.

WANTED, qualified lady, capable of taking charge, for medium-class business; not afraid of work. Applicants not answered in four days respectfully declined. Address 225/67, Office of this Paper.

PHOTOGRAPHS, TESTIMONIALS, &c.

When answering advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. As can be readily understood, when an advertiser receives from 60 to 100 replies the task of returning photographs, testimonials, &c., is one of some difficulty.

WANTED, for November 6, Qualified Manager-Assistant for Country Business near Norwich. State age, experience, references and salary required (outdoors). 259/32, Office of this Paper.

WANTED, qualified Assistant; good Counter experience; about 35. Give full particulars. 261/16, Office of this Paper.

YOUNG, capable, qualified Chemist and Optician will be shortly required to undertake the management of an old-established progressive Chemist's business; previous satisfactory experience in management essential; must be good diciplinarian and organiser; arrangements leading to Partnership to suitable applicant; must have exceptional references. Write, giving very full details of history and experience, to 258/8, Office of this Paper.

YOUNG ladies required, with good experience in Retail Pharmacy, for Clerical Work in London; interview necessary. Give full particulars, experience and salary required. Reply 259/29, Office of this Paper.

WHOLESALE.

ALL-ROUND man required as Assistant in Manufacturing Laboratory; used to modern plant and methods; experienced in Manufacture of Tinctures, Ointments and Galenicals generally. Give full particulars and state wage required in first letter to Goodall, Backhouse & Co., Leeds.

COMPRESSED Tablet Maker required by firm of Manufacturing Chemists; should have thorough knowledge of Granulating, etc. Give full particulars of experience and wages. 257/31, Office of this Paper.

IMPORTANT London firm merchanting Pharmaceutical Chemicals have vacancy on their indoor staff for enterprising young man; qualifications, Major or Minor, an advantage. Apply, stating experience and salary required, to 92/148, Office of this Paper.

LONDON.—Old-established Manufacturers offering Advertised Specialities which are selling well, and in addition a wide range of Pharmaceuticals, Toilets, Dressings, etc., require a real live Representative with an established connection who can obtain business—not promises. There is unlimited scope for initiative, and the existing connection can easily be very considerably increased. Applications only entertained from those with sound established connection who are in a position to prove their ability as salesmen. 256/3, Office of this Paper.

LONDON Manufacturing House, specialising in Packed Goods, require the services of an experienced Salesman; territory: Derby, Lincoln, Stafford, Leicester, Rutland, Worcester, Warwick, Northampton; connection essential; salary and liberal commission; own car an advantage. All particulars first letter. 259/22, Office of this Paper.

MAN required for Provincial Manufacturing Chemists to superintend the packing of dry goods by female labour; should be able to do small repairs to packing machines. State experience, age and wages required. 257/21, Office of this Paper.

REPRESENTATIVES required, London and provinces, for entirely new quick seller, retailing 5s.; no competition; enormous market; only gentlemen with proved connection and sales entertained; liberal commission terms, with progression. Write only and fully, "Rep," 4 Dollis Road, London, N.3.

TOILET Goods and Perfumery Manufacturers have vacancy for experienced Traveller, with sound reputation among Chemists and Hairdressers, to call upon established clientele, London, Midlands and the North; expenses and commission. No application considered without particulars of age, nature of previous experience, and intelligent details of applicant's career enabling advertisers to form some preliminary opinion as to suitability of applicant. Offers to 92/149, Office of this Paper.

TRAINED Medical Representatives wanted to introduce to Doctors an important new product, the proprietors of which are not connected with any drug house; applicants must be experienced and of good address; salary and expenses on generous scale. Apply 92/147, Office of this Paper.

[COLONIAL, INDIAN AND FOREIGN.]

EAST AFRICA.—Howse & McGeorge, Ltd., Chemists, Nairobi, require the services of a Qualified Assistant; single; age about 25; good all-round experience; four years' agreement; second-class passage paid out and home; salary £360, £360, £450, £480. Apply, with full particulars and photo, to "Zebra," 84 Fenchurch Street, E.C.3.

EASTERN AFRICA.—Qualified Pharmacist wanted; age about 25 to 30; 3 years' agreement; quarters provided; passages paid. State qualifications, age, details of experience. Send copy testimonials only. Write "T. M.," c/o J. W. Vickers & Co., Ltd., 24 Austin Friars, E.C.2.

INDIA.
RELIABLE REPRESENTATIVE WANTED.

PREVIOUS experience in India with Pharmaceutical House essential; excellent opportunity with prospects for serious British Pharmacist not over 40. Applications will be considered from home or abroad, and interview arranged in London or India. Apply "India," 91/130, Office of this Paper.

SITUATIONS WANTED.

RETAIL.

[*HOME.*]

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

A.A.A.—EXPERIENCED; unqualified; disengaged shortly; permanency; Dispensing, Counter, Prescribing, Photography, Window-dressing; competent; trustworthy; energetic; would manage Drug Store; good references. "Mac," 5 Waterloo Street, S.E.5.

A.A.A.—MANAGER, experienced Chemist, reliable, for good-class business or represent first-class Wholesale Firm; good all-round, energetic, good business man; excellent testimonials. "Veritas," 260/3, Office of this Paper.

A.A.—COMPETENT Assistant; Dispensing, Prescribing, Counter, Window-dressing, Photography; trustworthy; energetic. "E. H.," Cwmiar, Llanybyther, South Wales.

A RELIABLE, experienced man desires temporary work; disengaged; unqualified; active; smart; middle-aged. Fairweather, 286 Kingsland Road, E.8.

A SMART, unqualified Assistant desires a position in Bradford, Leeds, Huddersfield, or any other West Riding town; young, energetic and experienced. 258/3, Office of this Paper.

A TRAINED Specialist in Surgical Appliances, a member of the National Association of Opticians, progressive display man, super Salesman, this season built the whole of D. & P. works, which has proved a huge success, unqualified, 40, good address, now requires permanent progressive pest; Partnership entertained with real worker; salary £225; open to negotiate. F. Calpine, 13 East Street, Horsham.

A YOUNG Pharmacist, with varied experience, seeks post, City Pharmacy; Manager or Assistant. "M.P.S.," 16 Alexander Street, Bayswater, W.2.

AN Unqualified Assistant desires situation shortly; 25; tall; good appearance and address; abstainer; good experience. 260/24, Office of this Paper.

APPRENTICESHIP (young lady); London; Hall qualification and Part I; moderate salary. Apply P.C.B., 55/5, Office of this Paper.

AS part-time, Friday and Saturday, or arrangement; experienced Dispensing, Photography, Window-dressing; Part I. Klein, 53 Hillside Road, Stamford Hill, N.15.

ASSISTANT, 22, requires position; all-round experience; used to good-class business; excellent references. G. Stanley, 38 The Oval, Kennington, London.

ASSISTANT (22), unqualified, tall; 8 years' all-round experience, Dispensing, Counter, Photography; good references. Hughes, 12 Oxford Street, Cotham, Bristol.

ASSISTANT, unqualified (20); 4 years' experience, including Photo and D. and P.; good references. S. Riches, Stalham, Norwich.

ASSISTANT (middle-age), Counter-trade business man, disengaged; 10 years' reference; abstainer. 257/20, Office of this Paper.

ASSISTANT, unqualified, experienced in all branches of the trade, seeks whole- or part-time engagement; good reference. P.C.B. 55/26, Office of this Paper.

ASSISTANT; well recommended; referred in one subject; free now. Address "Chemist," c/o Connolly, 12, Northumberland Street, Edinburgh.

ASSISTANT, young, requires post in good-class Pharmacy; 4 years' experience, Counter and Dispensing; energetic and reliable; London preferred; disengaged October 30; good reference. May, 76a Larden Road, Acton, W.3.

ASSISTANT; qualified; first-class experience; Counter, Dispensing, Photography; City, West End, suburbs; smart Salesman; good all-round man; full or part-time. P.C.B., 56/60, Office of this Paper.

ASSISTANT, unqualified, seeks permanency; 12 years' all-round experience; quick, accurate Dispenser; Lancashire, Yorkshire, or Midlands preferred. "M. R.," 37 Oxford Street, Stafford.

ASSISTANT or Manager; Qualified; desires permanency; South-West England preferred; excellent experience and references; disengaged; good-class business. 260/31, Office of this Paper.

BIRMINGHAM (or District).—Unqualified, smart, energetic, thoroughly experienced all branches, desires engagement; excellent references; disengaged. 260/15, Office of this Paper.

BOURNEMOUTH-SOUTHAMPTON DISTRICT.—Assistant, unqualified, 38, seeks post in small shop where experience can be renewed; part-time or whole; small salary. Clark, "East View," New Street, Lymington.

CHEMIST'S Son, age 25, with 7 years' Photographic experience, some Counter experience, desires post with Optician or Chemist-Optician where practical experience could be obtained with view to qualifying. Martin, Chemist, Loughborough.

DISENGAGED, age 25 years, expert Counterman and Window-dresser, desires post in first-class business. 258/400, Office of this Paper.

DISENGAGED.—Part-time daily, Thursdays and Sundays free all day; male Pharmacist; experienced. "Pharmacist," 67 Western Road, Ealing, W.5.

DISENGAGED till November 8; Locum; qualified, experienced Pharmacist. "Statim," 27 Blackstock Road, N.4.

DISENGAGED.—Young, unqualified Assistant; good all-round experience; good references. 259/34, Office of this Paper.

DISPENSER (Hall); lady; highly recommended; Hospital, Doctor or Chemist; permanency or Locum. "M.," Woodcote, King's Road, Addlestone, Weybridge.

EAST LONDON Preferred.—Assistant, all-round experience, temporary or permanent, disengaged; good references; salary 63s., will accept stock equivalent. "Aspro," 75 Portway, West Ham.

EXPERIENCED Senior or Manager, Drug Store; Locum or part-time engagement taken till suited. "Advertiser," 20 Gordon Grove, Camberwell.

EXPERIENCED, qualified Manager or Assistant; London; disengaged; Locum entertained; well recommended. Evans, 10 West Park Road, Kew Gardens.

EXPERIENCED Assistant requires post; quick and energetic; willing and obliging; Photographic, rapid Dispenser; good all-round knowledge; well recommended. Coleman, 10 Cobden Gardens, Bitterne Park, Southampton.

EXPERIENCED Unqualified Assistant, with sound credentials, requires position of trust; would act as Manager for Chemist wishing gradually to retire; would invest money in sound business. Apply 258/34, Office of this Paper.

EXPERIENCED, qualified, 36, married, requires post as Manager or Senior, with plenty of scope and remunerative salary; well recommended and thorough all-round knowledge; at liberty November 1. 258/38, Office of this Paper.

FREE after November 20, smart, unqualified Assistant; married; 20 years' varied experience; Salesman, Dispenser, and Window-dresser. Turner, 51 Ceres Road, Plumstead, S.E.18.

JUNIOR (19) requires situation; 3½ years' all-round experience; Photography. Chas. P. Clayton, 23 Grange Avenue, Balby, Doncaster.

LADY requires post as Dispenser to Doctor, Hospital or Institution; can drive car and do Secretarial work; Yorkshire town preferred; young; experienced; good references. "A.," Belle Vue, Barnsley.

LADY, qualified (25), desires post; disengaged; permanency preferred; London and country experience. 256/36, Office of this Paper.

LADY Dispenser (Hall), young, slight Dispensing experience, shorthand-typist, French, German, Honours certificate, used to accounts, etc., seeks afternoon engagement. Write Hunt, 93 Belgrave Road, S.W.1.

LADY (24), eight years' Dispensing and Counter experience, disengaged, requires situation, Birmingham district. Williams, 74 Westminster Road, Handsworth.

LADY, good appearance and address, desires light Counter duty; 12 years' experience. "S.," c/o Jarvis, Ltd., 126 Stephendale Road, Fulham.

LOCUM, Relief or part-time; excellent recent references; competent, reliable, energetic; South London. "D.," 122 Dalmally Road, Addiscombe.

LOCUM.—Qualified Woman desires Locum work until December 18; London or Croydon district preferred; capable of taking charge. J. Midlane, 9 Montpelier Road, Purley.

MANAGER (43) or Locum, qualified, 10 years in last situation, Dispensing, Photographic and Counter, excellent references, desires situation in Kent or London. "Pharmacist," 22 Alexandra Road, Broadstairs, Kent.

MANAGER; experienced; energetic; reliable; married; Prescribing, Dispensing, Counter; tall; steady; disengaged November 11; any district; permanency. "Drummer," 31 Lightburn Avenue, Ulverston.

MANAGER or Senior, qualified, 35, married, requires post at once; living accommodation if possible; 16 years' excellent provincial experience; last 5½ years held managership; highly recommended. H. B. Hale, Hardwicke, Ox Lane, Harpenden.

MANAGER; qualified; disengaged; temporary or permanent; excellent references; experienced; Bournemouth district preferred. Thompson, 31 Truscott Avenue, Bournemouth.

MANAGER or Locum; qualified; 48; married; disengaged. Collitt, 25 Connaught Avenue, Frinton-on-Sea, Essex.

MANAGER, qualified, experienced all branches Retail, requires post in good-class business; good references. "M.P.S.," The Pharmacy, Stonehouse, Glos.

M.P.S., YOUNG, Scotsman, married, first-class London and provincial experience, desires position as Manager; excellent references; good Salesman, Window-dresser, and progressive business man. 259/38, Office of this Paper.

PART-TIME required, four evenings a week; Victoria or Clapham district preferred. 255/1, Office of this Paper.

PART-TIME post required by Lady Dispenser (Hall); three or four days weekly; Hospital or Dispensary preferred; 9 years' experience; excellent references. D., 26 Arlingford Road, Tulse Hill, S.W.2.

PART-TIME; qualified; experienced; 42; hours 1—5.30. Write "J.," c/o Walker, 5b Peterborough Villas, Bagley's Lane, Fulham.

PART-TIME employment required; evenings, and Saturdays if necessary; Part II student; experienced in L.I.P. Dispensing. Fdk. Grace, 80 Sandmere Road, Clapham, S.W.4.

PERMANENCY wanted; an experienced Assistant; disengaged; unqualified; steady; reliable; good Counterman, Dispenser, Photo; highest references; successful manager. P.C.B., 56/12, Office of this Paper.

PHARMACIST (Irish qualification), 33, tall, well-educated, capable, experienced, desires position in good-class London Pharmacy; excellent references; disengaged immediately; interview if necessary. 258/29, Office of this Paper.

PROSPECTIVE Medical Student, qualified Chemist, seeks part-time work (relief, Dispensing); Durham or Northumberland. 256/37, Office of this Paper.

QUALIFIED Assistant or Locum; South-West England. Manley, Coach Works, Honiton, Devon.

QUALIFIED; 50; single; excellent all-round experience; town or country; best references. "Chemist," Pembroke House, Reginald Terrace, Leeds.

QUALIFIED; West End and suburban references. Jackson, 79 Albion Road, N.16.

QUALIFIED, young, desires post as Assistant; good all-round experience; excellent references; available any time. O. Gilroy Jones, Llanfair, T.H., Abergele, Wales.

QUALIFIED gentleman desires post shortly as Manager (no companies); bachelor; middle-aged; good references and address; interview if near London; please give some particulars business. 259/7, Office of this Paper.

QUALIFIED, 35, desires position in London as Manager, with view to succession; capital available £500; energetic; up-to-date; 12 years' experience as manager. 259/18, Office of this Paper.

QUALIFIED (21), Medallist, height 6 ft., seeks position in West-End business; excellent references; disengaged. 259/21, Office of this Paper.

QUALIFIED (25, tall) wishes post; good experience; excellent references. Apply 260/40, Office of this Paper.

RELIABLE, experienced Dispenser; unqualified; good references; smart Salesman; disengaged November; London only; winter season or permanent. 259/3, Office of this Paper.

REFINED young lady, 21, tall, seeks re-engagement in the Toilet and Perfumery Department, good-class Chemists; 4 years' West-End experience. Davis, 53 Marchmont Street, Russell Square, W.C.

SCOTCHMAN, Qualified, young, married, Senior or Manager (at present), excellent references, disengaged after one month; permanency; confidential; smart. Apply 257/23, Office of this Paper.

STRONGLY recommended; smart lad; 20 years; six years' experience; good Stock-keeper for Retail or Wholesale; City preferred. Apply N. Martin, c/o A. Ll. Williams, Ltd., Pembroke Dock.

UNQUALIFIED; first-class experience; disengaged. Jones, 2 Saltram Crescent, Shirland Road, Paddington.

UNQUALIFIED, 33, married, Counter, Agricultural, Photo., economical worker, desires permanency; Yorkshire coast preferred; shortly disengaged; references. "Genuine," 260/19, Office of this Paper.

YOUNG lady, 2½ years' Dispensing experience, desires post in London or suburbs; good reference. 259/16, Office of this Paper.

5 YEARS Indentured; lifetime experience (39); last berth doctor; salary £3 weekly; thoroughly competent all branches; capable manage. 258/5, Office of this Paper.

£3 10s. Per Week.—Unqualified Assistant requires permanent position; Counter, Window-dressing, Photography, etc.; previous West End and South Coast experience; age 26 years; disengaged. 258/4, Office of this Paper.

WHOLESALE.

The Advertiser may if preferred have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

MAN aged 19, had 4 years in Laboratory of Soap and Perfumery Manufacturer; good worker. L. Gatehouse, 5 Brettell Street, London, S.E.17.

ADVERTISER seeks responsible position with Wholesale or Manufacturing House; experienced in all branches, including retail, travelling and executive office work; excellent knowledge of export trade. Apply 256/35, Office of this Paper.

ADVERTISER seeks permanency with good house requiring an experienced Manufacturer of Toilet Creams and Preparations, Perfumes, Soaps, Shaving Creams, and Hairdressers' Sundries; can introduce export as well as home goods and customers; Sales-Manager. "Mackenzie," 259/90, Office of this Paper.

AS Representative to established firm; qualified Chemist; disengaged; ground, Wales and adjoining counties; urgent. "Spes," c/o Slinn, Chemist, Rhyl.

COLLOIDAL Chemist, with Pharmaceutical qualification and expert in the Manufacture of Emulsions, Analysis and Research work, wishes responsible position with first-class manufacturing house; only substantial appointments considered. Apply P.C.B. 56/6, Office of this Paper.

ENERGETIC, experienced and capable man, well up in the manufacture of Toilet Preparations, Perfumery and Galenicals, seeks post of responsibility with Wholesale Drug House or Beauty Specialist. 259/14, Office of this Paper.

EXPERIENCED Chemical Works and Warehouse Foreman seeks situation; good references. "G.," 173 Auckland Road, Ilford.

GERMAN University gentleman, speaking English, desires to enter firm of Manufacturing (Pharmaceutical) Chemists; has good knowledge of Elementary Chemistry, with first-class certificates in theoretical and practical work gained at the City of London College, and business experience. Write "A. Z." (P.C.B. 56/11), Office of this Paper.

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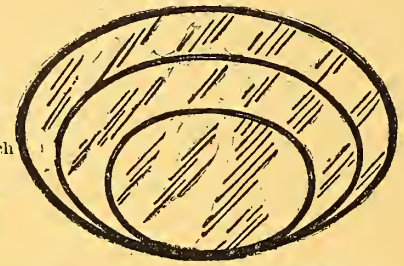

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PHARMACEUTICAL Chemist desires responsible post; specialist in organising, warehouse management, staff control; excellent references. "Keen" (P.C.B. 56/10), Office of this Paper.

QUALIFIED Pharmacist, 25, tall, well educated, seeks progressive post in Wholesale; highest references; 7 years varied Retail. 259/31, Office of this Paper.

REPRESENTATIVE, with good connection with London Chemists, seeks engagement; excellent references. P.C.B., 56/9, Office of this Paper.

SALES Manager and Export Representative; thoroughly experienced in sales promotion and systematic organisation and education of selling force; can market any goods for Chemists or Perfumery trades. 259/9, Office of this Paper.

SURGICAL Dressings and Appliances.—Young man (22), with 8 years' experience, seeks advancement. F. L. W., 24 Lanier Road. S.E.13.

YOUNG gentleman, calling on Chemists and Stores in London, is anxious to carry another line on part expenses and commission basis; only high-class goods entertained. Apply in first instance Box 170, c/o Dixon's, 195 Oxford Street, W.1.

[COLONIAL, INDIA AND FOREIGN.]

CHEMIST (Transvaal, South Africa, Qualification) requires post as Continental Traveller in Drugs, Chemicals or allied lines; speaks French, Spanish, Portuguese, Hebrew and Arabic; French born, naturalised British subject; highest references. P.C.B. 55/29, Office of this Paper.

YOUNG Qualified Chemist, excellent credentials, holding good position as manager in London, having highest West End and provincial experience, all branches, desires similar position of trust abroad, where scope for ability and initiative abounds and is appreciated. 258/31, Office of this Paper.

ENGLISH Pharmacist would like to meet a French Pharmacist willing to instruct him in French conversation, or if this meets the eye of a Pharmacist on the Continent advertiser would like to exchange letters. Address 260/30, Office of this Paper.

MISCELLANEOUS.

McADAM & TUCKNISS, Stock and Share Brokers and Dealers, Westminster Bank Chambers, Blackheath, S.E.3. Established 1898. Telephone: Lee Green 0081. Shares for sale, free of commission (subject):—220 Allenbury £1 "B" 6% Pfs., 19s. 10½d.; 100 £1 x 7% Preferred Ord., 21s. 4½d., yielding £6 11s.% to a purchaser; 200 Beecham £1 Ord., 20s. 4½d.; 200 British Drug Houses £1 Ord., 20s. 7½d.; 100 Evans Lescher 6s. 8d. Pfs., 5s. 4½d.; 300 Idris "A" 6% Pfs., 15s. 4½d.; 400 Lever 20% Prefd. Ord., 10s. 10½d.; 200 Selfridge Trust £1 x 10s. paid Ord., £1 7s. 6d.; 250 £1 x 6% Prefs., 10s., paid 9s. 9d.; 30 B. Laporte 7½% "B" Prefs., 20s. 10½d.; 25 Wright Layman £1 x 6% Pfs., 19s. 10½d. Wanted (subject):—Camwal Ordinary, Preference and Debentures; Eucryl Prefd. Ord., please offer; £1,000 Idris Debs., £63%; 500 Lewis & Burrows Ord., 21s. 9d.; Wright Layman Pfs.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.2.

SECOND-HAND Shop Fronts, Drug Fittings, cheap; also Glass Counters, Dispensing Screens, Silent Salesman Showcases, Glass Shelves for window display. 8 ft. long x 7 ft. 6 in. high x 10 in. deep on bottom and 7 in. deep on top part Chemist Wall Showcases; three in stock at very reasonable price. A. FARLEY & CO., 227 Old Street, E.C.2.

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£170 for a handsome set of Mahogany Fittings, or would sell separate, 12 ft. Drug Fitting, 10 ft. Wall Case in two lengths, 10 ft. glass-fronted Serving Counter, 4 ft. all-glass Counter, 6 ft. Dispensing Screen, 6 ft. Silent Salesman, 3 ft. ditto, 5 ft. bent plate-glass Counter Case; Perfume Case and Desk, two nests of Counter Drawers, 8 dozen gold labelled Shop Rounds. Cash Register Till; a real bargain and ready for immediate despatch. PERCY R. E. JOSEPHS, 232/8 Bishopsgate (1st floor), London, E.C. (only address). 'Phone: Avenue 1194.

AUTOMATIC Bottle-labelling Machine, "National"; new condition; cost £135, accept £75; room wanted. Particulars, 92/151, Office of this Paper.

FOR Sale, owing to removal, several beautiful Glass Counters and Show Cases; perfect condition; Parquet Floors. Apply "Rambit," 310 Regent Street, London.

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GOWER, Chemists' Bookseller, 41 Voltaire Road, Clapham, wants Pharmaceutical Books and Students' Requisites.

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